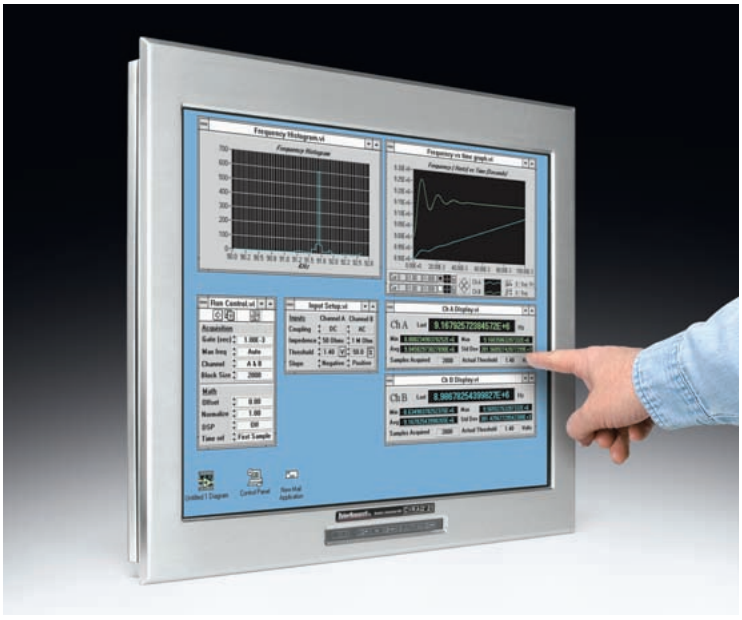
It's easy to configure a *CyRAQ*® monitor with the exact combination of features that your application requires.

Huge selection. Over 1,000 different *CyRAQ* models are available for immediate delivery!

An overview of our current *CyRAQ* product lineup is summarized in the bullet chart on the right. You can now select from more than 1000 different *CyRAQ* model configurations with a choice of screen size, brightness, resolution, and mounting. We also offer optional enhancements such as touchscreens, *AR-Bonding*™, and Panel PCs. We make it easy for you to order the exact display configuration that best fits your needs. We maintain a large inventory of finished modular subassemblies so that we are able to quickly build and ship over 300 of the most popular *CyRAQ* models for immediate delivery.



***CyRAQ 21* Flush-mount Monitor with Touch Screen (see page 28).**

Get the special features that you require.

Need high performance in a small or special form factor? Or in a special color? Need an exclusive custom product with your company's logo? There's no need to compromise. If you don't see precisely what you need, call us. The *CyRAQ* product line was developed specifically to meet the challenges of our customers' customization requirements. Our unique modular design enables us to build special monitors on a quick turnaround basis with the exact combination of custom features that your application requires. We can provide COTS off-the-shelf monitor systems with options such as vandal-resistant enclosures, display enhancements for sunlight readable and night-vision viewing, dim-to-dark display controls, special cooling or heating for extreme ambient temperature conditions, IR blocking filters, 12/24/48 VDC input, special EMI shielding, panel PCs with expansion slots and lots of I/O, embedded digital signage controllers, and special mounting adapter plates . . . just to name a few.

Free application assistance. We can help you select the options that best meet your needs.

Our application engineers act as an extension of your engineering department. We can help you determine the right technology to deliver optimum performance. We can help guide you step-by-step through the display configuration selection process. **Give us a call or visit *cyberresearch.com/cyraq*.**

pg. 36

pg. 36

pg. 35

pg. 34

pp. 32–33

pp. 30–31

Get what you want. No compromises!

CyRAQ® Monitors Pages 20~37		Mounting Page 18				Brightness (nits)		Video Input 40" can also have Component and HDMI inputs				Resolution	CyRAQ Panel PCs Pages 54~61
Screen Size	Page Number	Rack	Panel	VESA	Wall	250-500	700-2000	VGA	DVI	S-Video	Composite	Maximum	High Performance
40"	Call		●			●	●	●*	●*	●*		1920 x 1080	●
31.5"	20	●	●	●	●	●	●	●	●			1920 x 1080	●
24"	21, 28	●	●	●	●	●		●	●			1920 x 1200	●
21.3"	22, 28	●	●	●		●		●	●			1600 x 1200	●
20"	24, 28	●	●	●		●		●	●			1600 x 1200	●
19"	26, 28	●	●	●		●	●	●	●	●	●	1280 x 1024	●
17"	30	●	●	●		●	●	●	●	●	●	1280 x 1024	●
15"	32	●	●	●		●	●	●	●	●	●	1024 x 768	●
12.1"	34		●	●		●	●	●		●	●	1024 x 768	●
10.4"	35		●	●		●	●	●		●	●	1024 x 768	
8.4"	36		●	●		●	●	●		●	●	800 x 600	
6.5"	36		●	●		●	●	●		●	●	640 x 480	

*CyRAQ 40 can also have Component and HDMI inputs.

CyberResearch's Unique Dead Pixel Policy and 100% Satisfaction Guarantee

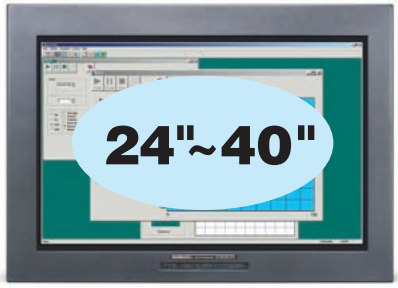
CyberResearch's unique dead pixel policy offers the same 100% satisfaction guarantee that we have for all of our other CyberResearch products. It's not about complex formulas to determine whether or not a given LCD's dead pixels are or are not satisfactory. It's about 100% satisfaction. It's that simple!

If, for any reason, you are not 100% satisfied with your *CyRAQ* monitor, just call us within 30 days for a full refund, replacement, exchange, or credit — no problem, no hassle. Because if you're not completely satisfied, neither are we! For the full text of the CyberResearch 100% Satisfaction Guarantee, see page 168.

pp. 26~29

pp. 24~25, 28~29

pp. 22~23, 28~29



pp. 7, 20~21, 28~29

Mastering the Physics of Light: Cost-Effective Sunlight Readability

An LCD Display can appear "washed-out" because of high ambient light levels.

Without *AR-Bonding*™ With *AR-Bonding*™

CyberResearch's *AR-Bonding*™ antireflection enhancement technology dramatically reduces reflections under sunlight viewing conditions!

CyberResearch's new proprietary *AR-Bonding*™ antireflection glass treatment virtually eliminates light reflections found in outdoor installations and other locations where high ambient light levels from sunlight or fluorescent lighting can be a problem.

CyberResearch has mastered the physics of light by commercializing multiple display enhancement technologies, originally developed for avionics and military applications, to provide cost-effective sunlight-readable monitors for use in marine, signage, and industrial applications.

CyRAQ® LCD flat-panel monitors are designed to deliver outstanding display performance over a wide range of operating conditions.

Many techniques are used by CyberResearch to enhance the sunlight readability of displays including passive methods (like *AR-Bonding* to reject ambient light for increased contrast) and active methods (such as backlight brightness enhancement to boost transmitted light). Each enhancement approach has its own trade-offs. Selecting the right technologies for optimum display performance requires careful and deliberate attention to application details. Give us a call. We can help guide you step-by-step through the display configuration selection process.

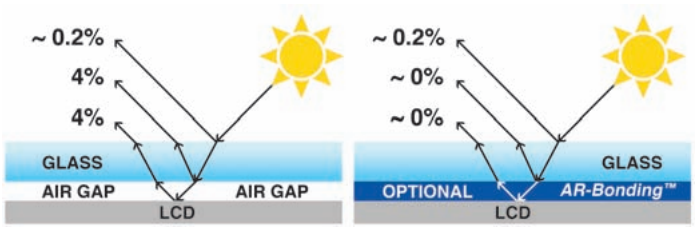
Excessive light reflections can often reduce contrast and make a standard LCD flat-panel display appear washed-out and difficult to read.

The primary advantages of *AR-Bonding* include:

- **Enhances Sunlight Viewability:** By eliminating the air gap between the top cover glass and the LCD, internal reflections are virtually eliminated and contrast is enhanced by 3-5 fold, making the LCD display more suitable for daylight viewing.
- **Prevents Condensation:** *AR-Bonding* eliminates the possibility that moisture in the air gap can condense and cause fogging in severe washdown and marine applications.
- **Provides Shock Protection:** The layer of optical bonding material between the top cover glass and the LCD provides extra support and enhances the mechanical integrity of the display for use in high shock and vibration environments.
- **Minimizes Backlight Heat Generation:** *AR-Bonding* allows reduced back-light brightness levels for use in indirect (300 nits) or direct (500~1000 nits) sunlight. Outstanding results can be achieved by combining *CyRAQ* displays (1000+ nits) with *AR-Bonding* antireflection treatment.
- **Unbeatable Display Clarity:** High-contrast, reflection-free monitors with *AR-Bonding* have set a new standard of performance for readability.

AR-Bonding seals the protective top cover glass or touch-screen glass directly to the front surface of the LCD flat panel display. By filling the air gap with an optical bonding medium that has the same light transmission properties (index of refraction) as glass (typically optical-quality silicon), internal light reflections are virtually eliminated.

Reflection with Air Gap = 8.2% **Reflection with *AR-Bonding*™ = 0.2%**



Each time light passes from one medium to another (i.e. from air to glass or from glass to air), 4% of the light is reflected. In a monitor with antireflection coated top glass, over 8% of incident light is reflected (left) versus only 0.2% with *AR-Bonding* (right). *Note: Without the benefit of either antireflection coated top glass or AR-Bonding over 12% of incident light is reflected.*

www.cyberresearch.com Visit our website for detailed product information!
Toll-Free Assistance: 1-800-341-2525 (USA) Tel: 203-643-5000 Fax: 203-643-5001
Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

CyRAQ® Series Industrial Flat-Panel Monitors Offer a Wide Choice of Mounting Options

Rack, Panel, VESA, or Wall Mounting is Quick and Easy

Universal Mount: Universal-Mount hardware includes a unique adapter plate that facilitates both panel and rack mounting. The adapter-plate hole pattern lines up with the rack. Adapter plates are available in either landscape or portrait orientation. *CyRAQ* 32 and 24 models can be rack-mounted in portrait orientation only; *CyRAQ* 21 to 19 models can be rack-mounted in either direction. These adapter plates also simplify panel mounting because they eliminate the need to drill holes for each stud.

Flush Panel Mount: All *CyRAQ* monitors can be panel-mounted in either landscape or portrait orientation. Panel mounting is quick and easy. Just cut a rectangular hole. There is no need to drill holes for each stud! The supplied compression clamps or plate provide sealing pressure, which compresses the elastomeric gasket to ensure a watertight panel seal.

VESA Mount: *CyRAQ* 6.5 *to* 21 monitors have 100 x 100 mm VESA mounting holes. *CyRAQ* 24 has 100 x 200 mm holes, and some smaller models also have 75 mm VESA holes. The larger sizes are heavy, so be sure to check the weight limitations of the brackets or arms you plan to use. An overview of VESA-mount brackets and swivel arms is on pp. 40~45. Additional brackets with detailed specs are shown on our website (visit *cyberresearch.com/arms*).

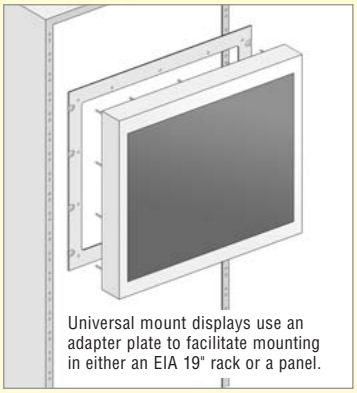
Wall Mount: Our wall-mount system (pg. 20) makes it easy to mount *CyRAQ* 32 monitors directly to interior or exterior walls with only four bolts. Monitors can be mounted either parallel to the wall or tilted down by 17º to reduce or eliminate distracting reflections.

Outdoor Enclosure: Our *CyRAQ* 1040 series of vandal-resistant 40" monitors (pp. 10 & 11) are increasingly popular in outdoor video, drive-thru menu boards, and wayfinding applications. The stainless-steel exterior case resists corrosion while allowing filtered cooling air to circulate around the sealed liquid-crystal display. The front of the sunlight-readable LCD is protected by ATM glass. Drain holes allow rain, spray, or condensation to drain out the bottom of the case in either portrait or landscape orientation.

Landscape and Portrait Mounting Options for Rugged *CyRAQ* Monitors

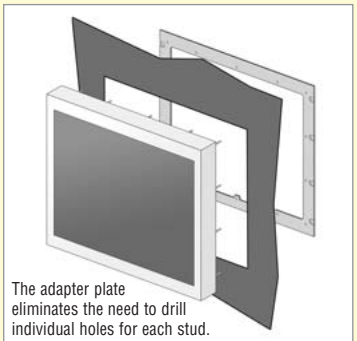
Screen Size	Universal	Panel	Flush Panel	VESA	Wall[1]	Outdoor Enclosure
40"	—	Both	Both	—	—	Both
32"	Portrait	Both	Both	—	Portrait	Both
24"	Portrait	Both	Both	Both	—	Both
21"~19"	Both	Both	Both	Both	—	—
17"~15"	Landscape	Both	Both	Both	—	—
10"~6"	—	—	Both	Both	—	—

CyRAQ units meet NEMA 4X standards when properly mounted in an appropriate enclosure.
[1]Wall-mount hardware for 32" *CyRAQ* monitors allows mounting parallel to the wall or at a tilt angle of 17°.



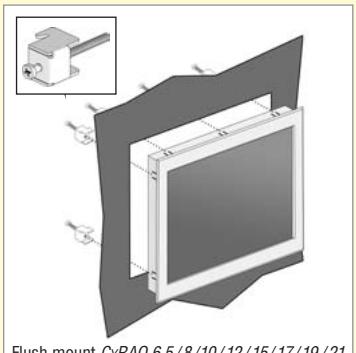
Universal mount displays use an adapter plate to facilitate mounting in either an EIA 19" rack or a panel.

Universal Rack Mount



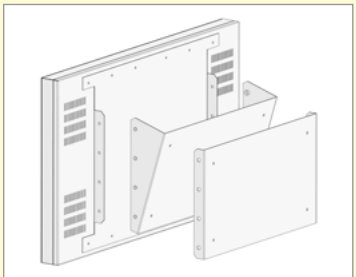
The adapter plate eliminates the need to drill individual holes for each stud.
An elastomeric gasket ensures a watertight seal between the monitor and the cut-out in the panel.

Universal Panel Mount



Flush mount *CyRAQ 6.5/8/10/12/15/17/19/21* utilize compression clamps for panel mounting.

Flush Panel Mount
(see pages 32~40)

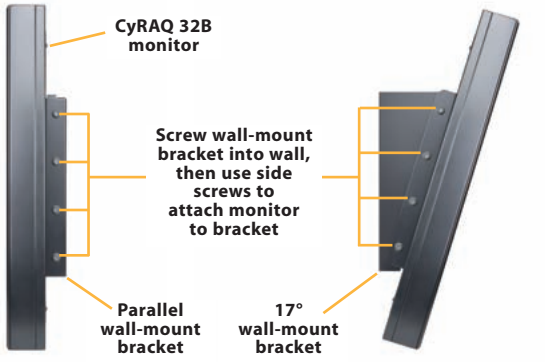


Use either the 17° mounting bracket or the parallel (0°) bracket when wall-mounting our *CyRAQ 32* monitors. *Custom wall-mount systems can be designed to order; call our applications engineers for assistance.*

Wall-Mount System

CyRAQ® 32

Vertical-Mount or Tilt-Mount a 32" LCD Monitor on any Wall


CyRAQ 32B monitor
Screw wall-mount bracket into wall, then use side screws to attach monitor to bracket
Parallel wall-mount bracket
17° wall-mount bracket

Wall-mount CyRAQ 32 monitors can mount parallel to the wall or at a 17° angle that reduces reflections and improves viewing comfort. Specify parallel or angle mount when ordering. VESA-mount and panel-mount models can be portrait or landscape. Image-orientation software is included.

Specifications — *Universal-Mount CyRAQ 32B*

Screen Size	31.5" diagonal
Brightness	450 nits (cd/m²)
Maximum Resolution	1920 x 1080 @ 16 million colors
Viewing Angle	170° (horizontal & vertical)
Contrast Ratio	1000:1
Response Time	4 ms
Video Inputs	VGA, DVI, other inputs by special order
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Touchscreen, *AR-Bonding*™ (pg. 18)
Chassis Construction	Stainless steel; NEMA 4X front panel
Colors (Call for custom colors)	Brushed **stainless steel** or **black**
Wall Bracket Options (see mounting info on page 19)	***Low-Profile*** (parallel to the wall) ***Slanted*** 17° (tilt)
Dimensions	31" W x 19" H x 3.5" D (787 x 483 x 89 mm) CRxx version can rack-mount in 18U (31.5")
Other Mountings	VESA mount, panel mount
Power Consumption	140 W @ 110VAC
Weight	55 lbs. (24.9 kg)

See our Website for Sunlight-Readable 32SA Models

Perfect for commercial and industrial use, our CyRAQ 32B wide-screen wall-mount 31.5" LCD monitor has a crisp, clear screen with full high-definition resolution of 1920 x 1080 (full HD). Optional *AR Bonding*™ treatment ensures that the image remains clear and crisp even in direct sunlight.

The vandal-resistant and corrosion resistant stainless steel chassis is sealed to the front glass to meet NEMA 4X standards. If the unit is panel mounted, the whole unit becomes NEMA 4X.

Our simple but unique wall mounting system enables you to mount the CyRAQ 32B parallel to the wall if it is at or near eye level. If the unit is higher than eye level, an optional slanted 17° mount is ideal for reducing distracting reflections.

To create a panel PC, mount any one of the MPC computers on pg. 76 directly to the back of the CyRAQ 32B. If space is tight, mount them separately.

Ordering Information — CyRAQ 32B

Other mounting options available, call for details.

BLACK COLOR stainless steel bezel

#CRBF 32B	**Univ.-Mt**	32", black, front controls, 450 nits **$2995**
#CPBF 32B	**Panel-Mt**	32", black, front controls, 450 nits **$3595**
#CVBF 32B	**VESA-Mt**	32", black, front controls, 450 nits **$2995**

BRUSHED STAINLESS steel bezel

#CRSF 32B	**Univ.-Mt**	32", stainless, front controls, 450 nits **$2995**
#CPSF 32B	**Panel-Mt**	32", stainless, front controls, 450 nits **$3595**
#CVSF 32B	**VESA-Mt**	32", stainless, front controls, 450 nits **$2995**

Touchscreen, *AR-Bonding* & Wall-Mount Options for 32" *CyRAQ* Monitors *(original order only)*

Optional Touchscreen: Add suffix **-TRS** (serial) or **-TRU** (USB) to part numbers shown for 17" models to add analog resistive touchscreen .....add **$1500**

Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* anti-reflective glass treatment *(see page 18)* ...add **$1500**

#CRMS WLPB32 Wall-Mount Bracket for CVBR (parallel to wall) ...**$100**

#CRMS W17D32 Wall-Mount Bracket for CVBR (17° tilt) **$100**

All *CyRAQ 32* models include: 6-foot cables for power, VGA, and DVI input connection (visit our website or call for longer cables).
Rear controls available on all models at no additional cost, change "F" in the part number to "R" for rear OSD controls.

Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time. **Enhanced performance features in red.**

www.cyberresearch.com Visit our website for detailed product information!
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CyRAQ® 24

Portrait-Mount a 24" LCD Monitor in a 19" Rack

Specifications	*Universal-Mount CyRAQ 24*
Screen Size	24" diagonal (20.4"W x 12.8"H; 16:10)
Brightness	400 nits (cd/m²)
Maximum Resolution	1920 x 1200 @ 16 million colors
Viewing Angle	170° horizontal, 160° vertical)
Resp. Time & Contrast	5 ms; 1000:1
Video Input	VGA, DVI, other inputs by special order
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Touchscreen *AR-Bonding*™ (see page 18)
Chassis Construction	Stainless steel; NEMA 4X front panel
Colors (call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on pg. 25)	***Rack Mount:*** Portrait ***Panel Mount:*** Landscape or Portrait Wall Bracket or VESA (100 x 200mm) mount
Power Consumption	160 W, 100-240 VAC, 50/60Hz
Dimensions	24.4"W x 17.5"H x 3.2"D (620 x 445 x 81 mm) Rack-mt. adapter plate is 19.0"W x 24.4"H (14 U)
Panel Depth	*Rear:* 1.1" (28 mm); *Front bezel:* 2.1" (53 mm)
Panel-Mount Cutout	23.4" W x 16.5" H (596 x 420 mm)
Weight	37 lbs. (16.8 kg)

Need a rack-mount monitor that offers maximum desktop screen space? The ***CyRAQ 32*** (on page 20) is the largest monitor that can be portrait-mounted into a standard industrial 19" EIA rack. The CyRAQ 24, shown here, can also be rack-mounted in 14U. The largest monitor that can be landscape-mounted in an EIA rack is the 21" *CyRAQ 21* (see pages 22~23). A panel-mount version of the *CyRAQ* 24 is on pg. 28~29.

The *CyRAQ 24* features a bright, high-resolution 1920 x 1200 screen. This 16:10 widescreen display boasts wide viewing angles so that it can be clearly seen from virtually any sight line. If your application requires full-motion video, the *CyRAQ 24* is an ideal choice.

Ordering Information — Universal-Mount CyRAQ 24

Comparison chart: pg. 37; Flush-mount models: pp. 28~29.

BLACK COLOR stainless steel bezel

#CRBF 24J Univ.-Mt. 24", black, **front** panel controls, 400 nits **$2695**
#CRBR 24J Univ.-Mt. 24", black, **rear** panel controls, 400 nits **$2695**

BRUSHED STAINLESS steel bezel

#CRSF 24J Univ.-Mt. 24", stainless, **front** panel controls, 400 nits **$2695**
#CRSR 24J Univ.-Mt. 24", stainless, **rear** panel controls, 400 nits **$2695**

Mounting Accessories

#CRMS UNV24 Panel-Mounting Adapter Plate* .....**$N/C***
#CRMS POR24 Rack-Mount Adapter Plate* .....**$N/C***

Touchscreen and *AR-Bonding* Options *(original order only)*

Optional Touchscreen: Add the suffix **-TRS** (serial) or **-TRU** (USB) to any of the part numbers shown above for analog resistive touchscreen .....add **$1000**
Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* anti-reflective glass treatment *(see page 18)*....add **$1000**

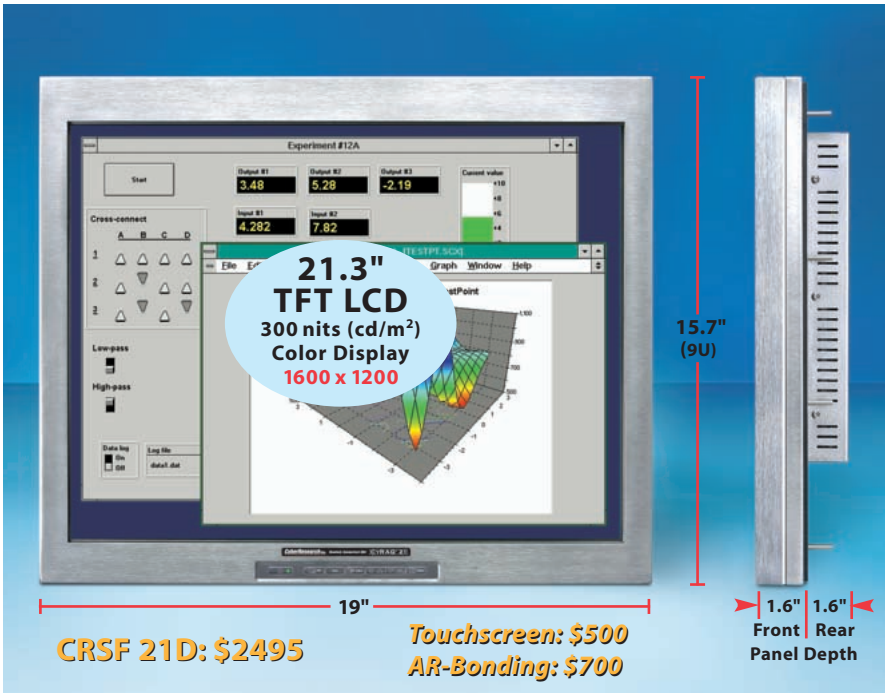
All CyRAQ 24 models include: 6-foot cables for power, VGA, and DVI (visit our website or call for longer cables).
***CRMS POR24** adapter plate allows CRxx 24 models to be rack-mounted in portrait orientation only. Use **CRMS UNV24** to panel-mount CRxx 24 models in landscape or portrait. CRMS UNV24 ships standard with CRxx 24 models; specify when ordering if CRMS POR24 is preferred. Adapter plate included no charge; $150 if ordered separately.

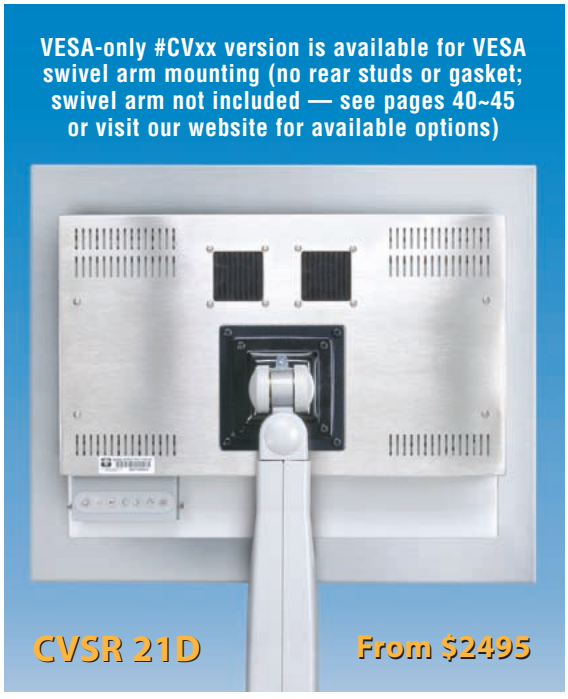
Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time. **New and enhanced performance features in red.**

Quantity Discounts: 1-4/List 5-9/5% 10-24/10% 25+/Call **Quantities of a Single Item Per Shipment – Call for Details**

CyRAQ® 21

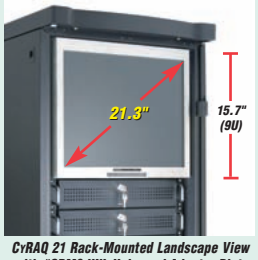
Landscape or Portrait-Mount a 21" LCD Monitor in a 19" Rack!



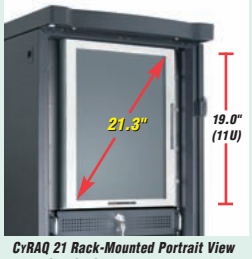

VESA-only #CVxx version is available for VESA swivel arm mounting (no rear studs or gasket; swivel arm not included — see pages 40~45 or visit our website for available options)
CVSR 21D
From $2495

Specifications — *Universal-Mount CyRAQ 21*

Screen Size	17.0"W x 12.8"H, 21.3" diagonal
Brightness	300 nits (cd/m²)
Maximum Resolution	1600 x 1200 @ 16 million colors
Viewing Angle	178º (horizontal & vertical)
Contrast Ratio	1000:1
Response Time	8 ms
Video Input	VGA and DVI
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Touchscreen, *AR-Bonding*™ (pg. 18)
Chassis Construction	Stainless steel; NEMA 4X front panel
Colors (Call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 25)	***Rack Mount:*** Landscape or Portrait ***Panel Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Dimensions	19" W x 15.7" H x 3.2" D (483 x 399 x 81mm)
Panel Depth	*Rear:* 1.6" (41 mm); *Front bezel:* 1.6" (41 mm)
Panel-Mount Cutout	17.4" W x 14" H (441 x 356 mm)
Weight	24 lbs. (10.9 kg)



CyRAQ 21 Rack-Mounted Landscape View with #CRMS UNL Universal Adapter Plate



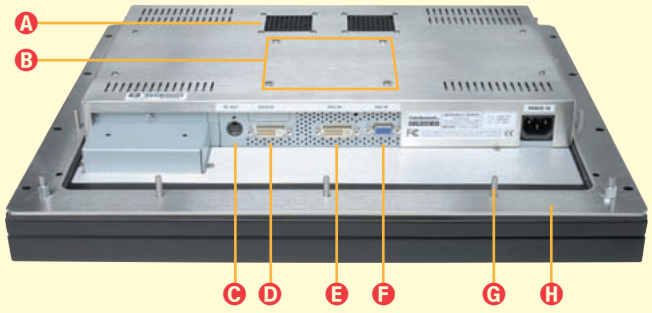
CyRAQ 21 Rack-Mounted Portrait View with #CRMS POR Portrait Adapter Plate

Easily mounts into any standard 19" EIA rack using supplied hardware!

If you need to replace your aging CRT displays, we have the answer. The ***CyRAQ 21*** uses a revolutionary new raised-bezel design (only 1.5" high) so you can mount a rugged 21.3" flat-panel display in a 19" rack! To match the viewing area, a CRT would have to be 23" in diagonal! A choice of mounting plates lets you display information in either landscape (horizontal) or portrait (vertical full-page) orientation.

Universal-mount models are easily rack- or panel-mounted. VESA-mount models are great for arm or bracket mounting. All models have 100-mm VESA holes. VESA-mount models have no mounting studs.

CyRAQ 21D: Rear Panel Features & Connectors

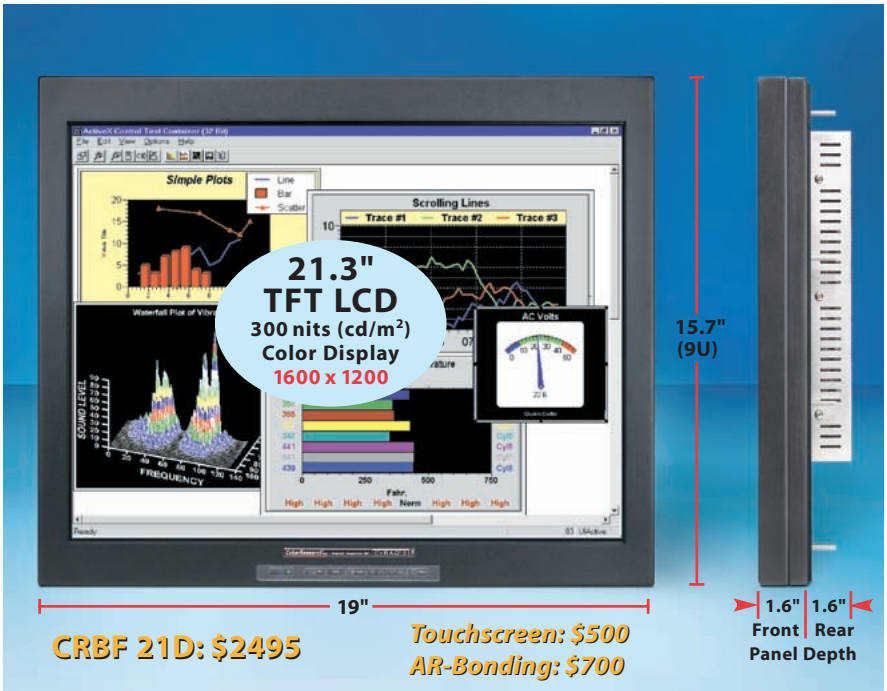


Ⓐ Cooling fans Ⓑ VESA 100mm mounting holes Ⓒ DC out Ⓓ DVI-D port
Ⓔ DVI-I port Ⓕ VGA port Ⓖ Mounting studs Ⓗ #CRMS UNL Mounting plate
Not shown: USB or RS-232 port (touchscreen models only)

See pages 54~61 or visit cyberresearch.com for details on the latest *CyRAQ* Panel PCs!

NEMA 4X Stainless Steel Panel & Rack-Mount Monitors

Isn't it about time to replace your aging rack and panel-mount CRT monitors?



Universal-Mount *CyRAQ 21* with Adapter Mounting Plate

- **TFT LCD Color Display:** 21.3" diagonal. *High-Bright:* **300 nits (cd/m²)**. *Max. Resolution:* 1600 x 1200 @ 16 M colors. *Supports:* 1280 x 1024, 1152 x 870, 1024 x 768, 800 x 600, 720 x 400, and 640 x 480. *Viewing Angle:* 178° H/V. *Contrast Ratio:* 1000:1. *Pixel Pitch:* 0.27 mm. *Horizontal Frequency:* 30 kHz~81 kHz, *Vertical Freq.:* 56~75 Hz. *Response Time:* 8 ms (G-G).
- **Video Inputs:** VGA port and two DVI ports. 6 foot DB-15 VGA cable and 6 foot DVI cable included.
- **Optional Touchscreen:** *Type:* 5-wire analog resistive. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included.
- **Optional *AR-Bonding*™ Anti-Reflective Glass Treatment:** See pg. 18 for full details.
- **Controls:** Sealed front-access or unsealed rear-access OSD buttons. On-Screen display controls include: brightness, gamma, sharpness, color adjustment, color temperature, horiz. & vert. position, source, OSD control position, mode selection, & reset to factory default settings.
- **Power:** External power supply included. *Input:* 90~264VAC @ 47/63Hz; *Maximum Power Consumption:* 85 W.
- **Enclosure:** **NEMA 12/4/4X Rating.** Features corrosion-resistant, heavy-duty stainless steel enclosure (304 SS). 0.125" thick elastomeric gasket seals between monitor rear panel and mounting panel. Meets NEMA 4X standards for watertightness when properly mounted. *Colors:* Brushed stainless steel or black front bezel. Units without touchscreen feature antireflecting, antiglare glass. Two 60 x 60 mm fans. Stainless-steel air filters.
- **Dimensions:** 19" **W** x 15.7" **H** x 3.2" **D** (483 x 399 x 81 mm). *Depth Behind Panel:* 1.6". *Gasket:* 0.125". *Maximum Protrusion from Panel:* 1.6" *Maximum Protrusion from Rack:* 1.6" with adapter plate and no gasket. *Weight:* 24 lbs (10.9 kg). For panel-mount dim., see pg 28..
- **Mounting:** Enclosure can be rack, panel, wall, or swivel arm mounted. Optional Portrait Rack-Mounting. *Rack Height:* 15.7" (9U) landscape or 19.25" (11U) portrait. *Panel-Mount Cut-Out:* 17.4" x 14.0" (441 x 356 mm). No need to drill stud holes. VESA 100 x 100 mm mounting holes enable swivel-arm mounting.
- **Environmental:** *Operating Temp.:* +32° to +122°F (0° to +50°C). *Storage Temp.:* –4° to +140°F (–20° to +60°C). *Rel. Humidity:* 10~95%, noncond. *Shock:* 30g (1/2 sine for 11 msec.) *Vibration:* 15~57 Hz: 0.006" peak-to-peak; 57~640 Hz sine: 1.0g peak-to-peak. *Altitude:* Operating up to 10,000 ft.; nonoperating up to 40,000 ft. *Compliance:* FCC Class A, CE.

Ordering Information — Universal-Mount CyRAQ 21

Comparison chart: p. 37; Flush-mount models: pp. 28~29.

BLACK COLOR stainless steel bezel		BRUSHED STAINLESS steel bezel	
#CRBF 21D	Univ.-Mt. 21", black, **front** controls, 300 nits **$2495**	**#CRSF 21D**	Univ.-Mt. 21", stainless, **front** controls, 300 nits **$2495**
#CRBR 21D	Univ.-Mt 21", black, **rear** controls, 300 nits **$2495**	**#CRSR 21D**	Univ.-Mt. 21", stainless, **rear** controls, 300 nits **$2495**
#CVBF 21D	**VESA-Mt.** 21", black, **front** controls, 300 nits **$2495**	**#CVSF 21D**	**VESA-Mt.** 21", stainless, **front** controls, 300 nits **$2495**
#CVBR 21D	**VESA-Mt.** 21", black, **rear** controls, 300 nits **$2495**	**#CVSR 21D**	**VESA-Mt.** 21", stainless, **rear** controls, 300 nits **$2495**

Rack- and Panel-Mounting Accessories for CRxx 21D models *(not needed for VESA-mount CVxx 21D models)*

#CRMS UNL Rack- and Panel-Mounting Adapter Plate* ..... **$N/C***

#CRMS POR Portrait Rack-Mount Adapter Plate* ..... **$N/C***

Touchscreen and *AR-Bonding* Options *(original order only)*

Optional Touchscreen: Add the suffix **-TRS** (serial) or **-TRU** (USB) to any of the part numbers shown above for analog resistive touchscreen ..... add **$500**

Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* antireflective glass treatment *(see page 18)* ..... add **$700**

All *CyRAQ 21* models include: 6-foot cables for power, VGA, and DVI (visit our website or call for longer cables). ***CRMS UNL** adapter plate allows CRxx 21 models to be rack-mounted in landscape orientation or panel-mounted in landscape or portrait orientation. **CRMS POR** allows CRxx 21 models to be rack-mounted in portrait orientation. **CRMS UNL** is included standard; please specify when placing order if **CRMS POR** is preferred. Adapter plate included at no charge; $100 if ordered separately.

Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time. **New and enhanced performance features in red.**

QUANTITY DISCOUNTS: 1-4/LIST 5-9/5% 10-24/10% 25+/CALL **Quantities of a Single Item Per Shipment – Call for Details**

CyRAQ® 20

Cost-Effective NEMA 4X Monitor
Mounts Anywhere

CRBF 20A: $2195

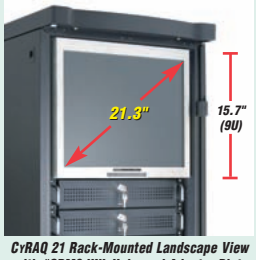
Touchscreen: $500
AR-Bonding: $700

VESA-only #CVxx version is available for VESA swivel arm mounting (no rear studs or gasket; swivel arm not included — see pages 40~45 or visit our website for available options)

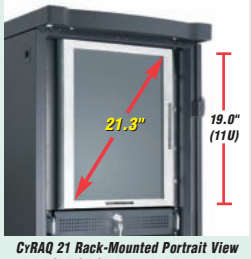
CVSR 20A **From $2195**

Specifications — *Universal-Mount CyRAQ 20*

Screen Size	16" H x 12" W, 20" diagonal
Brightness	300 nits (cd/m²)
Maximum Resolution	1600 x 1200 @ 16 million colors
Viewing Angle	178° (horizontal & vertical)
Contrast Ratio	800:1
Response Time	8 ms, gray-to-gray
Video Input	VGA and DVI
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Touchscreen, *AR-Bonding*™ (pg. 18)
Chassis Construction	Stainless steel; NEMA 4X front panel
Colors (Call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 25)	***Rack Mount:*** Landscape or Portrait ***Panel Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Dimensions	19" W x 15.7" H x 3.8" D (483 x 399 x 97mm)
Panel Depth	*Rear:* 2.2" (56 mm); *Front bezel:* 1.6" (41 mm)
Panel-Mount Cutout	17.4" W x 14" H (441 x 356 mm)
Weight	24 lbs. (10.9 kg)



CyRAQ 21 Rack-Mounted Landscape View with #CRMS UNL Universal Adapter Plate



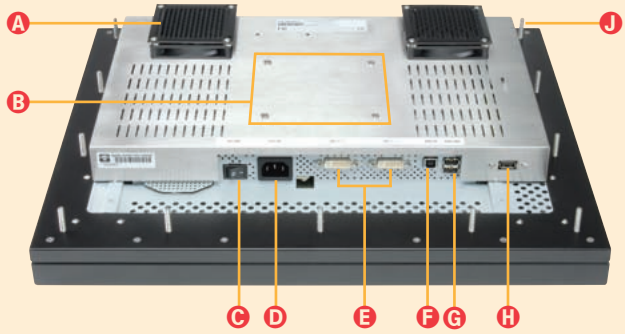
CyRAQ 21 Rack-Mounted Portrait View with #CRMS POR Portrait Adapter Plate

Easily mounts into any standard 19" EIA rack using supplied hardware!

If you need to replace your aging CRT displays, we have the answer. The ***CyRAQ 20A*** uses a revolutionary new raised-bezel design (only 1.5" high) so you can mount a rugged 21.3" flat-panel display in a 19" rack! To match the viewing area, a CRT would have to be 23" in diagonal! A choice of mounting plates lets you display information in either landscape (horizontal) or portrait (vertical full-page) orientation.

Universal-mount models are easily rack- or panel-mounted. VESA-mount models are great for arm or bracket mounting. All models have 100-mm VESA holes. VESA-mount models have no mounting studs.

CyRAQ 20A: Rear Panel Features & Connectors

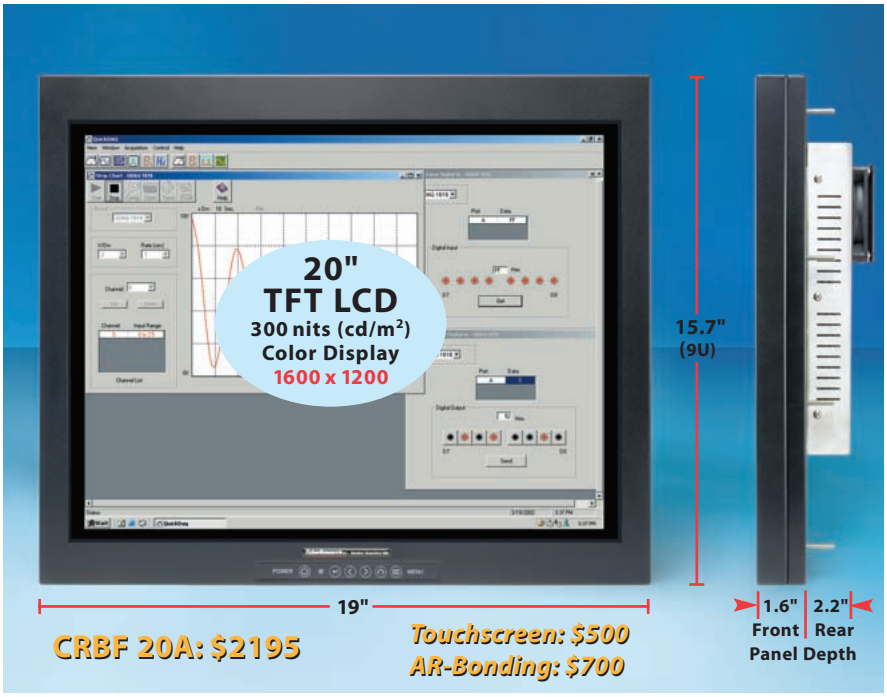


Ⓐ Cooling fans Ⓑ VESA 100mm mounting holes Ⓒ Power switch Ⓓ AC in
Ⓔ DVI ports Ⓕ USB input (from PC) Ⓖ Two USB hubs
Ⓗ Optional touchscreen port (USB or serisl) Ⓙ Mounting studs

See pages 54~61 or visit cyberresearch.com for details on the latest *CyRAQ* Panel PCs!

NEMA 4X Stainless Steel Panel & Rack-Mount Monitors

Isn't it about time to replace your aging rack and panel-mount CRT monitors?



Universal-Mount *CyRAQ 20* with Adapter Mounting Plate

- **TFT LCD Color Display:** 20" diagonal. *High-Bright:* **300 nits (cd/m²)**. *Max. Resolution:* 1600 x 1200 @ 16 M colors. *Supports:* 1280 x 1024, 1152 x 870, 1024 x 768, 800 x 600, 720 x 400, and 640 x 480. *Viewing Angle:* **178° H/V.** *Contrast Ratio:* **800:1.** *Pixel Pitch:* 0.27 mm. *Horizontal Frequency:* 30 kHz~81kHz, *Vertical Freq.:* 56~75Hz. *Response Time:* **8 ms (G-G).**
- **Video Inputs:** VGA port and two DVI ports**.** Two 6 foot VGA-DVI cables and two 6 foot DVI -DVI cables included.
- **Optional Touchscreen:** *Type:* 5-wire analog resistive. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included.
- **Optional *AR-Bonding*™ Anti-Reflective Glass Treatment:** See pg. 18 for full details.
- **Controls:** Sealed front-access or unsealed rear-access OSD buttons. On-Screen display controls include: brightness, gamma, sharpness, color adjustment, color temperature, horiz. & vert. position, source, OSD control position, mode selection, & reset to factory default settings.
- **Power:** *Input:* 90~265 VAC @ 47/63Hz; *Maximum Power Consumption:* 60 watts, less than 7 watts in standby mode.
- **Enclosure: NEMA 12/4/4X Rating.** Features corrosion-resistant, heavy-duty stainless steel enclosure (304 SS). 0.125" thick Poron® gasket seals between monitor rear panel and mounting panel. Meets NEMA 4X standards for watertightness when properly mounted. *Colors:* Brushed stainless steel or black front bezel. Units without touchscreen feature antireflecting, antiglare glass. Two 60 x 60 mm fans. Stainless-steel air filters.
- **Dimensions:** 19" **W** x 15.7" **H** x 3.8" **D** (483 x 399 x 97 mm). *Depth Behind Panel:* 2.2". *Gasket:* 0.125". *Maximum Protrusion from Panel:* 1.6" *Maximum Protrusion from Rack:* 1.6" with adapter plate and no gasket. *Weight:* 24 lb (10.9 kg).
- **Mounting:** Enclosure can be rack, panel, or swivel arm mounted. Optional Portrait Rack-Mounting. *Rack Height:* 15.7" (9U) landscape or 19.25" (11U) portrait. *Panel-Mount Cut-Out:* 17.4" x 14.0" (441 x 356 mm). No need to drill stud holes. VESA 100 x 100 mm mounting holes enable swivel-arm mounting.
- **Environmental:** *Operating Temp.:* +32° to +122°F (0° to +50°C). *Storage Temp.:* –4° to +140°F (–20° to +60°C). *Rel. Humidity:* 10~95%, noncond. *Shock:* 30g (1/2 sine for 11 msec.) *Vibration:* 15~57 Hz: 0.006" peak-to-peak; 57~640 Hz sine: 1.0g peak-to-peak. *Altitude:* Operating up to 10,000 ft.; nonoperating up to 40,000 ft. *Compliance:* FCC Class A, CE.

Ordering Information — Universal-Mount CyRAQ 20

Comparison chart: p. 37; Flush-mount models: pp. 28~29.

BLACK COLOR stainless steel bezel		BRUSHED STAINLESS steel bezel	
#CRBF 20A	Univ.-Mt. 20", black, **front** controls, 300 nits **$2195**	**#CRSF 20A**	Univ.-Mt. 20", stainless, **front** controls, 300 nits **$2195**
#CRBR 20A	Univ.-Mt 20", black, **rear** controls, 300 nits **$2195**	**#CRSR 20A**	Univ.-Mt. 20", stainless, **rear** controls, 300 nits **$2195**
#CVBF 20A	**VESA-Mt.** 20", black, **front** controls, 300 nits **$2195**	**#CVSF 20A**	**VESA-Mt.** 20", stainless, **front** controls, 300 nits **$2195**
#CVBR 20A	**VESA-Mt.** 20", black, **rear** controls, 300 nits **$2195**	**#CVSR 20A**	**VESA-Mt.** 20", stainless, **rear** controls, 300 nits **$2195**

Rack- and Panel-Mounting Accessories for CRxx 20A models *(cannot be used with VESA-mount CVxx 21C models)*

#CRMS UNL Rack- and Panel-Mounting Adapter Plate* .....**$N/C***

#CRMS POR Portrait Rack-Mount Adapter Plate* .....**$N/C***

Touchscreen and *AR-Bonding* Options *(original order only)*

Optional Touchscreen: Add the suffix **-TRS** (serial) or **-TRU** (USB) to any of the part numbers shown above for analog resistive touchscreen .....add **$500**

Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* antireflective glass treatment *(see page 18)*.....add **$700**

All *CyRAQ 20* models include: 6-foot cables for power, VGA, and DVI (visit our website or call for longer cables). ***CRMS UNL** adapter plate allows CRxx 20 models to be rack-mounted in landscape orientation or panel-mounted in landscape or portrait orientation. **CRMS POR** allows CRxx 20 models to be rack-mounted in portrait orientation. **CRMS UNL** is included standard; please specify when placing order if **CRMS POR** is preferred. Adapter plate included at no charge; $100 if ordered separately.

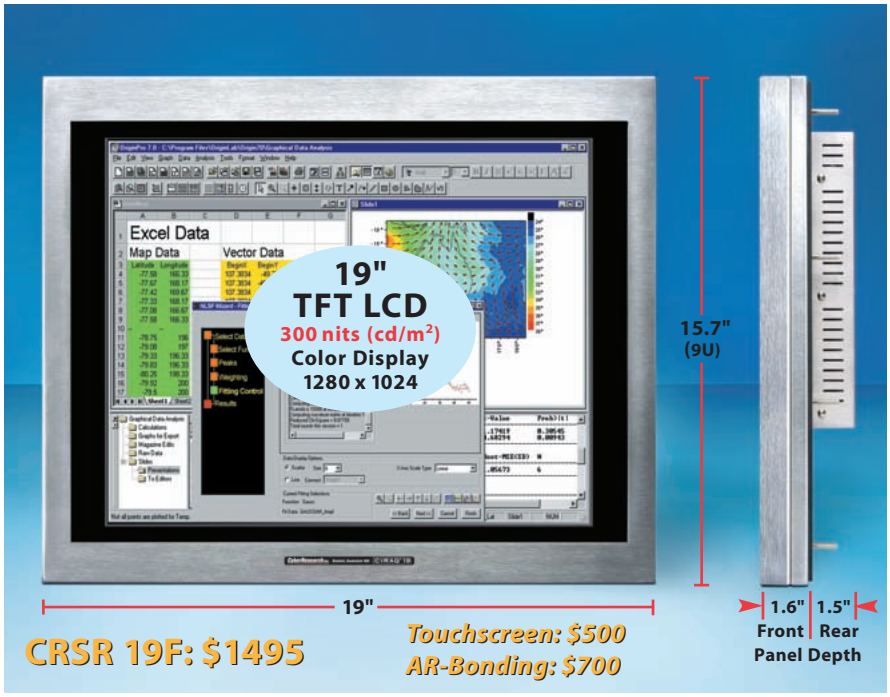
Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time.

Quantity Discounts: 1-4/List 5-9/5% 10-24/10% 25+/Call **Quantities of a Single Item Per Shipment – Call for Details**

CyRAQ® 19

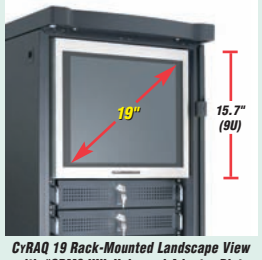
Landscape or Portrait-Mount a 19" LCD Monitor in a 19" Rack!

Universal Mount *CyRAQ 19* with Adapter Mounting Plate



Specifications — *Universal-Mount CyRAQ 19*

Screen Size	19" diagonal
Brightness (cd/m²)	*19F:* 300 nits (cd/m²); *19SC:* **1540 nits**
Maximum Resolution	1280 x 1024 @ 16 million colors
Viewing Angle	*19F:* 170° H, 160° V; *19SC:* 160° H & V
Contrast Ratio	*19F:* **1000:1**; *19SC:* 600:1
Response Time	*19F:* 5 ms; *19SC:* 5 ms
Video Input	*19F:* VGA, DVI-D; *19SC:* VGA, DVI-D, S-video, composite (RCA)
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Touchscreen (see pg. 27), *AR-Bonding*™ (pg. 18)
Chassis Construction	Stainless steel; NEMA 4X front panel
Colors (Call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 19)	***Rack Mount:*** Landscape or Portrait ***Panel Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Dimensions	19" W x 15.7" H x 3.1" D (483 x 399 x 79 mm)
Panel Depth	*Rear:* 1.5" (38 mm); *Front bezel:* 1.6" (41 mm)
Panel-Mount Cutout	17.4" W x 14.0" H (441 x 356 mm)
Weight	20.7 lbs. (9.4 kg)



CyRAQ 19 Rack-Mounted Landscape View with #CRMS UNL Universal Adapter Plate

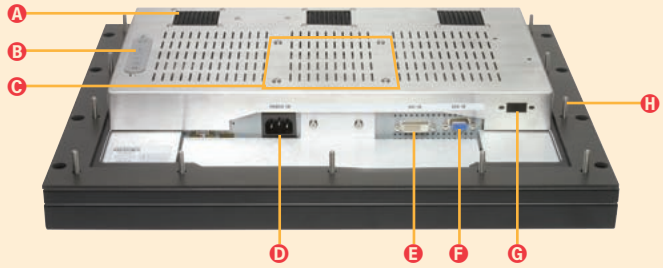
Mounting: Enclosure can be rack, panel, wall, or swivel-arm mounted. Universal Mounting Plate fits in a standard EIA 19" rack, or behind panel for secure panel mounting (see photo at top left). Optional Portrait Rack-Mounting Plate *(substituted on request)* lets you rack mount the display in portrait orientation (image orientation software incl.). *Rack Height:* 15.7" (9U) landscape or 19.25" (11U) portrait. *Panel-Mount Cut-Out:* 17.4" x 14.0" (441 x 356 mm). No need to drill stud holes. Also has VESA 100 x 100 mm mounting holes for swivel-arm mounting.

The Universal Mount ***CyRAQ 19*** is a cost-effective industrial display that features a rugged NEMA 4X corrosion-resistant 304 stainless steel front panel, which makes it ideal for use in marine, pharmaceutical, food, military, and other industrial washdown environments.

The modular design of the *CyRAQ* makes it easy for you to custom tailor a monitor with the exact combination of features that you need. Select black, brushed stainless steel, or a custom color. Select from a choice of rack, panel, or VESA swivel arm mounting (landscape or portrait orientation). Select optional touchscreen or *AR-Bonding*™ (see page 18). For more details, see the comparison chart on page 37.

CyRAQ 19F: Rear Panel Features & Connectors

(to see CyRAQ 19SC rear panel, please visit our website)



Ⓐ Cooling fans Ⓑ Display control panel (OSD); *CxxR 19 models only*
Ⓒ VESA 100mm mounting holes Ⓓ AC in Ⓔ DVI-D port Ⓕ VGA port
Ⓖ USB port or RS-232 port *(touchscreen models only)* Ⓗ Mounting studs

See pages 54~61 or visit cyberresearch.com for details on the NEW *CyRAQ 19* Panel PCs!

www.cyberresearch.com Visit our website for detailed product information!
Toll-Free Assistance: 1-800-341-2525 (USA) Tel: 203-643-5000 Fax: 203-643-5001
Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

NEMA 4X Stainless Steel Panel & Rack-Mount Monitors

1540-nit 19" Monitors • Sunlight-Readable Displays Ideal for Brightly Lit Areas!

"Flush-Mount" 19" Models Available!

See pages 28~29 for details!

NOW 1540 nits! (was 730 nits)

CRBR 19SC: $2695

Touchscreen: $500
AR-Bonding: $700

- **TFT LCD Color Display:** 19" diag. *Brightness – 19F:* 300 nits (cd/m²); *19SC:* **1540 nits** (cd/m²). *Viewing Angle: 19F:* 170° H, 160°V; *19SC:* 160° H/V. *Contrast Ratio – 19F:* **1000:1**; *19SC:* 600:1. *Response Time:* – 5 ms. *Max. Resolution:* 1280 x 1024 @ 16 M colors. *Pixel Pitch:* 0.294 mm. *Horiz. Freq.:* 31kHz~80/81kHz (analog), 30 kHz~63 kHz (digital). *Vert. Freq.:* 56~75 Hz.
- **Video Inputs:** *19F:* VGA port and DVI-D port. *19SC:* VGA port, DVI-D port, **S-Video port**, and **Composite Video RCA (TV) port.** 6 foot DB-15 VGA cable & 6 foot DVI-D cable included.
- **Optional Touchscreen:** *Type:* 5-wire analog resistive. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included.
- **Optional *AR-Bonding*™ Anti-Reflective Glass Treatment:** See page 18 for details.
- **Power:** *19F:* 39 W active, 5 W in power-save mode. Input: 90~264 VAC @ 47~63 Hz. *19SC:* 72 W active, 5W in power-save. Input: 115-230VAC @ 50~60Hz. 6' power cable included (both models).
- **Controls:** Front or rear-access on/off and on-screen display (OSD) controls. On-screen display controls include: brightness, contrast, sharpness, color balance, color temp., horiz. and vert. position, video source, language, position/appearance of OSD controls, and reset to defaults.
- **Environmental:** *Operating Temp.:* 32° to 122°F (0° to 50°C). *Storage Temp.:* –4° to +140°F (–20° to +60°C). *Relative Humidity:* 10~95%, noncondensing. *Compliance:* FCC Class A, CE.
- **Enclosure:** **NEMA 4X Rating.** Corrosion-resistant, heavy-duty 304 stainless steel enclosure. Water-resistant sealed front panel is suitable for washdown. 0.125" thick Poron® gasket seals between monitor rear panel and mounting panel. Properly mounted, displays meet NEMA 4X standards for water-tightness. Brushed stainless steel or black front bezel. Call for custom bezel colors. *Dimensions:* 19" **W** x 15.7" **H** x 3.1" **D** (483 x 399 x 79mm). *Depth Behind Panel:* 1.5". *Gasket Depth:* 0.125". *Maximum Protrusion from Panel:* 1.6". *Maximum Protrusion from Rack:* 1.6" with adapter plate and no gasket. *Weight:* 20.7 lbs (9.4 kg).

Ordering Information — Universal-Mount CyRAQ 19

Comparison chart: p. 37; Flush-mount models: pp. 28~29.

BLACK COLOR stainless steel bezel		BRUSHED STAINLESS steel bezel	
#CRBF 19F	Univ.-Mt. 19", black, **front** controls, 300 nits.....**$1495**	**#CRSF 19F**	Univ.-Mt. 19", stainless, **front** controls, 300 nits **$1495**
#CRBR 19F	Univ.-Mt 19", black, **rear** controls, 300 nits.....**$1495**	**#CRSR 19F**	Univ.-Mt. 19", stainless, **rear** controls, 300 nits **$1495**
#CVBF 19F	**VESA-Mt.** 19", black, **front** controls, 300 nits.....**$1495**	**#CVSF 19F**	**VESA-Mt.** 19", stainless, **front** controls, 300 nits **$1495**
#CVBR 19F	**VESA-Mt.** 19", black, **rear** controls, 300 nits.....**$1495**	**#CVSR 19F**	**VESA-Mt.** 19", stainless, **rear** controls, 300 nits **$1495**
#CRBF 19SC	Univ.-Mt. 19", black, **front** controls, **1540 nits** **$2695**	**#CRSF 19SC**	Univ.-Mt. 19", stainless, **front** controls, **1540 nits** ...**$2695**
#CRBR 19SC	Univ.-Mt 19", black, **rear** controls, **1540 nits** **$2695**	**#CRSR 19SC**	Univ.-Mt. 19", stainless, **rear** controls, **1540 nits** ...**$2695**
#CVBF 19SC	**VESA-Mt.** 19", black, **front** controls, **1540 nits** **$2695**	**#CVSF 19SC**	**VESA-Mt.** 19", stainless, **front** controls, **1540 nits** ...**$2695**
#CVBR 19SC	**VESA-Mt.** 19", black, **rear** controls, **1540 nits** **$2695**	**#CVSR 19SC**	**VESA-Mt.** 19", stainless, **rear** controls, **1540 nits** ...**$2695**

Rack- and Panel-Mounting Accessories for CRxx 19 models *(cannot be used with VESA-mount CVxx 19 models)*

#CRMS UNL Rack- and Panel-Mounting Adapter Plate* .....**$N/C***

#CRMS POR Portrait Rack-Mount Adapter Plate*.....**$N/C***

Touchscreen and *AR-Bonding* Options *(original order only)*

Optional Touchscreen: Add the suffix **-TRS** (serial) or **-TRU** (USB) to any of the part numbers shown above for analog resistive touchscreen.....add **$500**

Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* antireflective glass treatment *(see page 18)*.....add **$700**

All *CyRAQ 19* models include: Image orientation software, 6-foot cables for power, VGA, and DVI (visit our website or call for longer cables). ***CRMS UNL** adapter plate allows CRxx 19 models to be rack-mounted in landscape orientation or panel-mounted in landscape or portrait orientation. **CRMS POR** allows CRxx 19 models to be rack-mounted in portrait orientation. **CRMS UNL** is included standard; please specify when placing order if **CRMS POR** is preferred. Adapter plate included at no charge; $100 if ordered separately.

Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time. **New and enhanced performance features in red.**

QUANTITY DISCOUNTS: 1-4/LIST 5-9/5% 10-24/10% 25+/CALL **Quantities of a Single Item Per Shipment – Call for Details**

CyRAQ®

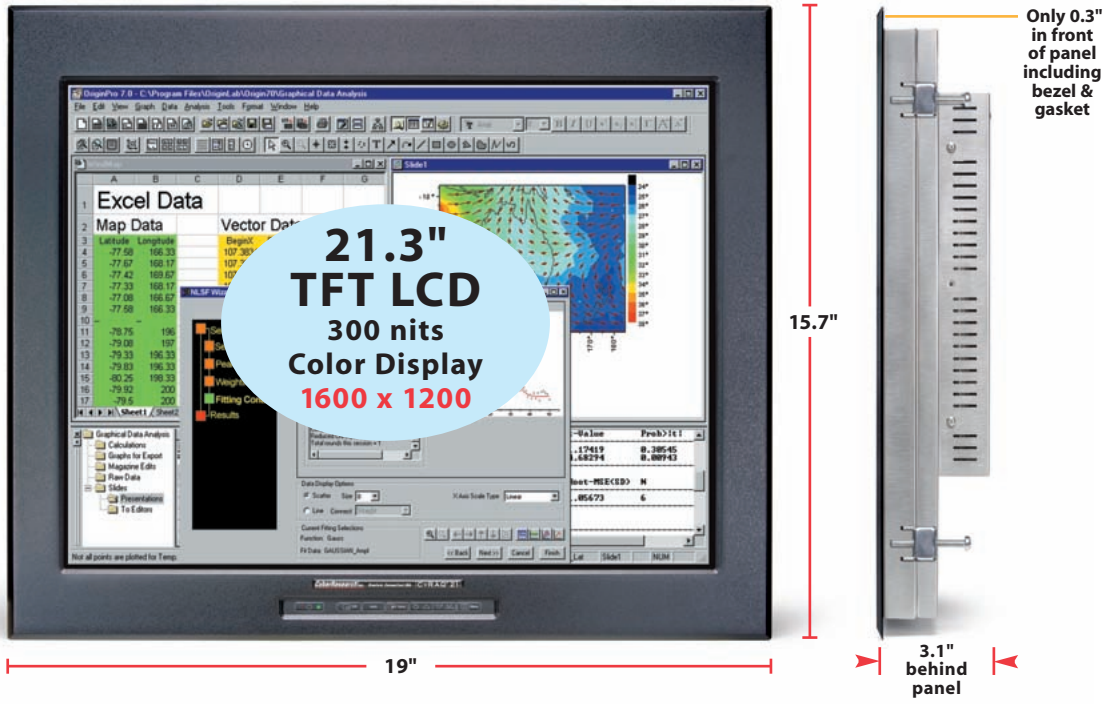
Flush Panel-Mount a 19", 20", 21" or 24" LCD Monitor

Low-Profile Ultra-Thin "Flush-Mount" 304 Stainless Steel Bezel Only 0.2" Thick

Brushed Stainless Steel or Black Color

CPBF 21D: $2895

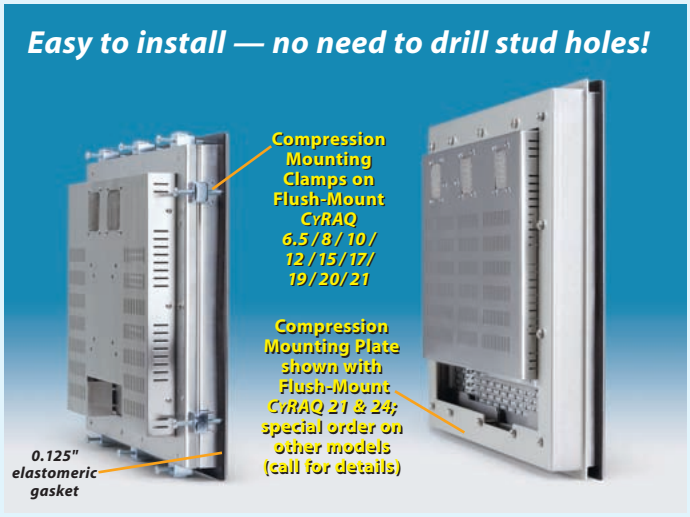
Touchscreen: $500
AR-Bonding: $700



Flush-Mount CyRAQ 19, 20, 21, & 24

Flush-Mount *CyRAQ 19*

Screen Size: 19" diagonal. ***Brightness:*** *19F models:* 300 nits (cd/m²); *19SC models:* **1540 nits** (cd/m²). ***Maximum Resolution:*** 1280 x 1024 @ 16 million colors, also supports 1024 x 768, 800 x 600, & 640 x 480. ***Viewing Angle:*** *19F:* 170° H, 160° V; *19SC:* 160° H & V. ***Contrast Ratio:*** *19F:* 1000:1; *19SC:* 600:1. ***Response Time:*** 5 ms g-g. ***Dimensions:*** Same physical dimensions as *CyRAQ 21* below. ***Weight:*** 26.2 lbs. (11.9 kg). ***Power Consumption:*** *19F:* 39W active; 5W in power-save mode; *19SC:* 72W max. ***Power Input:*** *19F:* 90~264VAC @ 47~63Hz; *19SC:* 115~230VAC @ 50/60Hz.


Easy to install — no need to drill stud holes!
Compression Mounting Clamps on Flush-Mount CyRAQ 6.5/8/10/12/15/17/19/20/21
Compression Mounting Plate shown with Flush-Mount CyRAQ 21 & 24; special order on other models (call for details)
0.125" elastomeric gasket

Compression clamps supplied with *CyRAQ 6.5/8/10/12/15/17/19/20/21* models and a compression plate for *CyRAQ 24* model makes panel mounting easy! See pg. 19 for general CyRAQ mounting information.

Flush-Mount *CyRAQ 20*

Screen Size: 20" diagonal. ***Brightness:*** 300 nits (cd/m²); ***Max. Res.:*** 1600 x 1200 pixels @ 16 million colors; also supports 1400x1050, 1280 x 1024, 1280 x 960, 1152 x 900, 1152 x 870, 1024 x 768, 800 x 600, 720 x 400, and 640 x 480. ***Viewing Angle:*** 178° (horizontal and vertical). ***Contrast Ratio:*** 800:1. ***Response Time:*** 8 ms g-g. ***Dimensions:*** 20" **W** x 16.7" **H** x 4.0" **D**. ***Front Bezel Thickness:*** 0.2" (0.3" with gasket). ***Depth Behind Bezel:*** 3.8". ***Panel Cutout:*** 19.1" **W** x 15.8" **H**. ***Weight:*** 28 lbs. (12.7 kg). ***Power Consumption:*** 60 W max.; <7 W in power-save mode. ***Power Supply Input:*** 90~265 VAC @ 47~63 Hz.

Flush-Mount *CyRAQ 21*

Screen Size: 21.3" diag. (17"**W** x 12.8"**H**). ***Brightness:*** 300 nits (cd/m²). ***Max. Resolution:*** 1600 x 1200 pixels @ 16 million colors; also supports 1280 x 1024, 1280 x 960, 1152 x 870, 1152 x 864, 1024 x 768, 800 x 600, 720 x 400, and 640 x 480. ***Viewing Angle:*** 178° (horizontal and vertical). ***Contrast Ratio:*** 1000:1. ***Response Time:*** 8 ms g-g. ***Dimensions:*** 20" **W** x 16.7" **H** x 3.4" **D**. ***Front Bezel Thickness:*** 0.2" (0.3" with gasket). ***Depth Behind Bezel:*** 3.2". ***Panel Cutout:*** 19.1" **W** x 15.8" **H**. ***Weight:*** 30.3 lbs. (13.7 kg). ***Power Consumption:*** 85 W maximum. ***Power Supply Input:*** 100~240 VAC @ 50/60 Hz.

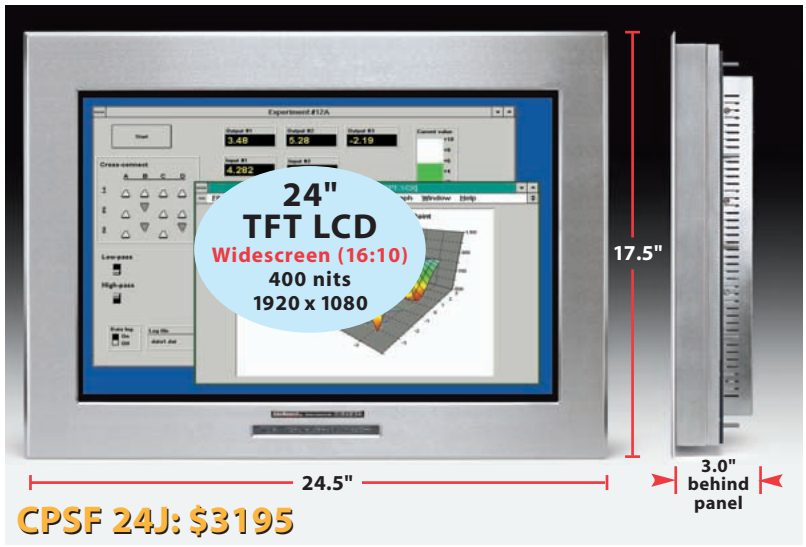
Flush-Mount *CyRAQ 24*

Screen Size: 24" diag. (20.9"**W** x 11.8"**H**). ***Brightness:*** 400 nits (cd/m²). ***Max. Resolution:*** 1920 x 1200 pixels @ 16 million colors. ***Viewing Angle:*** 170° H, 160° V. ***Contrast Ratio:*** 1000:1. ***Response Time:*** 5 ms g-g. ***Dimensions:*** 25.4"**W** x 18.5"**H** x 3.4"**D**. ***Panel Depth:*** 3.1" (behind panel); 0.3" (front). ***Panel Cutout:*** 24.6" **W** x 17.6" **H**. ***Weight:*** 47 lbs. (21.3 kg). ***Power Consumption:*** 160 W, maximum. ***Power Supply Input:*** 100~240 VAC @ 50/60 Hz.

Rugged NEMA 4X Stainless Steel "Flush-Mount" Monitors

Front or Rear OSD Controls • Optional Touchscreen • Optional *AR-Bonding*™

CPSR 19F/ 19SC: $1895/ $3095



CPSF 24J: $3195

Common Specifications (for additional specifications unique to individual *CyRAQ* monitors, see pp. 21~27) *Flush-Mount CyRAQ 19, 20, 21, & 24*

- **Enclosure:** **NEMA 4X Rating.** Corrosion-resistant, heavy-duty 304 stainless steel enclosure with gasket seal between monitor bezel and mounting panel. Panel-mounting models are NEMA 4 water resistant and meet NEMA 4X standards for corrosion resistance when properly mounted in an appropriate enclosure. Brushed stainless steel or black front bezel; call for custom bezel colors.
- **Video Input:** *CyRAQ 24J:* VGA and HDMI; *CyRAQ 21D, 20A, and 19F:* VGA and DVI; *19SC: VGA, DVI, S-video, composite video*; 6-foot DB-15 VGA cable and DVI cable included. All models offer choice of front- or rear-panel OSD controls for brightness, contrast, color, H/V position and size, and video source.
- **Optional Touchscreen:** *Type:* Analog resistive. Choice of USB or serial interface. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included. *Light Transmission:* Approximately 80%.
- **Optional *AR-Bonding*™ Glass Treatment:** See page 18 for complete information.
- **Mounting:** All units can be panel or wall mounted. 19" & 20" models have VESA 100 mm mounting holes on rear panel (note swivel arm weight limits); 21" models have VESA 100 mm & 80 mm mounting holes. 24" models have VESA 100 x 200 mm mounting holes.
- **Environmental:** *Operating Temperature:* +32° to +122°F (0° to +50°C). *Storage:* –4° to +140°F (–20° to +60°C). *Relative Humidity:* 10~95%, noncondensing. *Shock:* 30g (1/2 sine for 11 msec.) *Vibration:* 15~57 Hz: 0.006" pk-to-pk; 57~640 Hz sine: 1.0g peak-to-peak. *Altitude:* Operating up to 10,000 feet; nonoperating up to 40,000 feet. *Compliance:* FCC Class A, CE.

Ordering Information — Flush-Mount CyRAQ 19, 20, 21, & 24

Comparison chart: p. 37; Rack-mt. models: pp. 21~27.

BLACK COLOR stainless steel bezel

#CPBF 19F	Panel-Mt 19", black, **front** controls, 300 nits	**$1895**
#CPBR 19F	Panel-Mt 19", black, **rear** controls, 300 nits	**$1895**
#CPBF 19SC	Panel-Mt 21", black, **front** controls, **1540 nits**	**$3095**
#CPBR 19SC	Panel-Mt 21", black, **rear** controls, **1540 nits**	**$3095**
#CPBF 20A	Panel-Mt 21", black, **front** controls, 300 nits	**$2595**
#CPBR 20A	Panel-Mt 21", black, **rear** controls, 300 nits	**$2595**
#CPBF 21D	Panel-Mt 21", black, **front** controls, 300 nits	**$2895**
#CPBR 21D	Panel-Mt 21", black, **rear** controls, 300 nits	**$2895**
#CPBF 24J	Panel-Mt 31.5", black, **front** controls, 400 nits	**$3195**
#CPBR 24J	Panel-Mt 31.5", black, **rear** controls, 400 nits	**$3195**

BRUSHED STAINLESS steel bezel *NEW 24E has 5 video inputs!*

#CPSF 19F	Panel-Mt 19", stainless, **front** controls, 300 nits	**$1895**
#CPSR 19F	Panel-Mt 19", stainless, **rear** controls, 300 nits	**$1895**
#CPSF 19SC	Panel-Mt 21", stainless, **front** controls, **1540 nits**	**$3095**
#CPSR19SC	Panel-Mt 21", stainless, **rear** controls, **1540 nits**	**$3095**
#CPSF 20A	Panel-Mt 21", stainless, **front** controls, 300 nits	**$2595**
#CPSR 20A	Panel-Mt 21", stainless, **rear** controls, 300 nits	**$2595**
#CPSF 21D	Panel-Mt 21", stainless, **front** controls, 300 nits	**$2895**
#CPSR 21D	Panel-Mt 21", stainless, **rear** controls, 300 nits	**$2895**
#CPSF 24J	Panel-Mt 31.5", stainless, **front** controls, 400 nits	**$3195**
#CPSR 24J	Panel-Mt 31.5", stainless, **rear** controls, 400 nits	**$3195**

Touchscreen Options for *CyRAQ* 19, 20, 21, & 24 Monitors *(original order only)*

Add suffix **-TRS** (serial) or **-TRU** (USB) to part numbers shown to add analog resistive touchscreen.....19, 20, & 21" add $**500** .....24" add $**1000**

AR-Bonding Options for *CyRAQ* 19, 20, 23, & 32 Monitors *(original order only)*

Add the suffix **-U** to part numbers shown to add *AR-Bonding* antireflective glass treatment *(pg. 18)*.....19, 20, & 21" add $**700** .....24" add $**1000**

Above *CyRAQ* models include: Mounting hardware (compression clamps or plate; see photo on bottom of pg. 28), and 6-ft cables for power, VGA, & DVI

Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time.

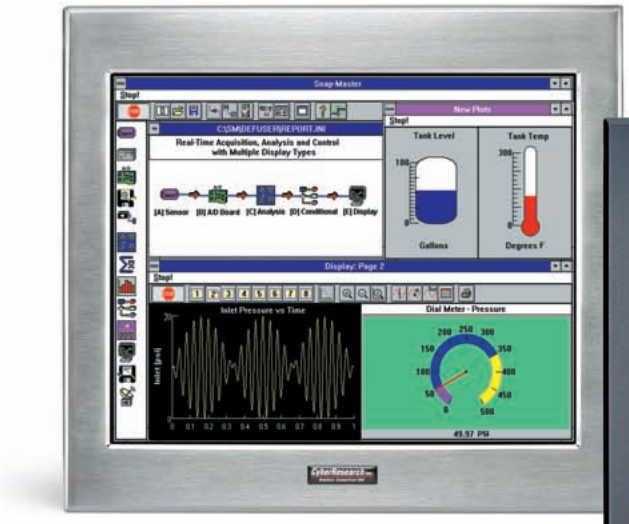
Quantity Discounts: 1-4/List 5-9/5% 10-24/10% 25+/Call **Quantities of a Single Item Per Shipment – Call for Details**

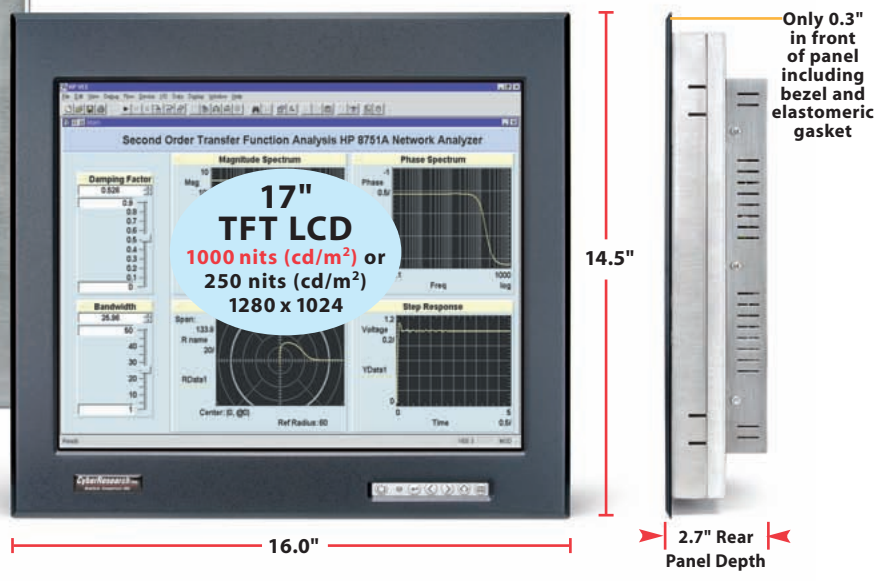
Need a Panel PC? See pages 60~67 for details about our high-powered CyRAQ® Series E PPC systems!

CyRAQ® 17

Panel or Rack-Mount a 17" "Flush-Mount" LCD Monitor

Front or Rear Access to On-Screen-Display (OSD) Controls





CPSR 17D/17SB *(above)*
CPBF 17D/17SB *(at right)*:
17D: $1495; 17SB: $2195
Touchscreen: $500 AR-Bonding: $600

SPECIFICATIONS	*Flush-Mount CyRAQ 17*
Screen Size	13.3 x 10.6", 17" diagonal
Brightness (cd/m²)	*17D:* 250 nits (cd/m²); *17SB:* **1000 nits**
Maximum Resolution	1280 x 1024 @ 16 million colors
Viewing Angle	*17D:* 170ºH, 160ºV; *17SB:* 140ºH, 130ºV
Contrast Ratio	*17D:* 1000:1; *17SB:* 600:1
Response Time	*17D:* 5 ms; *17SB:* 8 ms
Video Input	*17D:* VGA and DVI-D *17SB:* VGA, DVI, composite (RCA), S-video
Controls	**Front** or **rear** (front only on rack-mt models)
Optional Upgrades	Resistive Touchscreen, *AR-Bonding*™
Chassis Construction	Stainless steel; NEMA 4X front panel
Colors (call for custom colors)	Brushed **stainless steel** or **black** Custom colors available on special order
Mounting Options (see mounting info on page 19)	***Rack-Mount:*** Landscape only ***Panel-Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Rack-Mt. Dimensions	19"W x 14"H x 3.0"D (483 x 356 x 76mm)
Panel-Mt. Dimensions	16"W x 14.5"H x 3.0"D (406 x 368 x 76mm)
Rear Panel Depth	*Panel-Mount:* 2.7", *Rack-Mount:* 2.8"
Panel-Mount Cutout	15.2"W x 13.7"H (386 x 348 mm)
Weight	*Panel-mount models*: 18.2 lbs. (8.24 kg) *Rack-mount models*: 19.2 lbs. (8.69 kg)

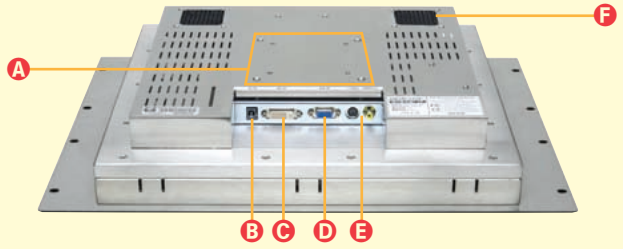
The ***CyRAQ 17*** series of monitors includes both rack and panel mounting enclosures with a choice of LCD displays. The *17SB* features a sun-bright 1000-nit LCD for sunlight viewability. The *17D* provides an economical 250-nit LCD.

The modular design of the *CyRAQ* makes it easy for you to custom-tailor a monitor with the exact combination of features that you need. Select black, brushed stainless steel, or a custom color. Select front- or rear-access OSD controls (rack-mount models: rear access only). Select from a choice of rack, panel, or VESA swivel-arm mounting (landscape or portrait orientation). Select optional touchscreen or *AR-Bonding*™ for enhanced sunlight readability.

See chart on pg. 37 for an overview of nearly 300 off-the-shelf monitors available for immediate delivery.

CyRAQ 17SB: Rear Panel Features & Connectors

(to see CyRAQ 17D rear panel, please visit our website)



Ⓐ VESA mounting holes Ⓑ DC in Ⓒ DVI port Ⓓ VGA port
Ⓔ Left: S-Video in; Right: Composite Video in *(17SB models only)* Ⓕ Cooling fans
Not shown: *USB port or RS-232 port (touchscreen models only)*

NEW!

CyRAQ® 17 Panel PC

See pp. 54~61 or visit cyberresearch.com for the latest models of our *CyRAQ 17 Panel PC!*

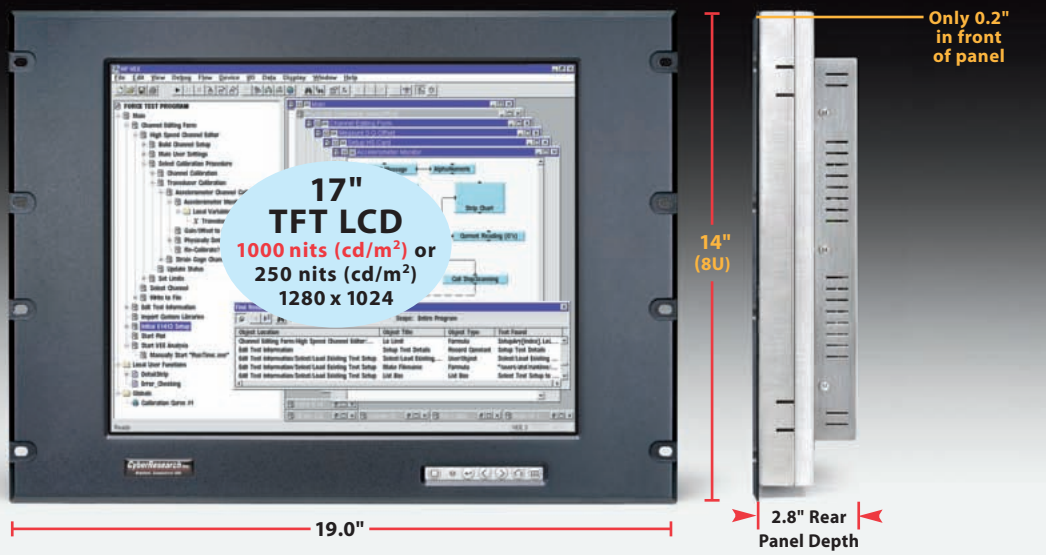
www.cyberresearch.com
Visit our website for detailed product information!
Toll-Free Assistance: 1-800-341-2525 (USA) Tel: 203-643-5000 Fax: 203-643-5001
Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

Rugged NEMA 4X Stainless Steel "Flush-Mount" Monitors

Front or Rear OSD Controls • Optional Touchscreen • Optional *AR-Bonding*™

Rack-Mount Low-Profile Ultra-Thin "Flush-Mount" 304 Stainless Steel Bezel Only 0.2" Thick

Available in Black (shown) or Brushed Stainless Steel



CFBF 17D: $1595
CFBF 17SB: $2295

Touchscreen: $500 *AR-Bonding: $600*

- **17D Model TFT LCD Color Display:** 17" diagonal. *High-Bright:* 250 nits (cd/m2). *Maximum Res.:* 1280 x 1024 @ 16 M colors. *Viewing Angle:* 170° H, 160° V. *Contrast Ratio:* **1000:1.** *Pixel Pitch:* 0.373 mm. *Horiz. Freq.:* 32 kHz~60 kHz, *Vert. Freq.:* 56~75 Hz. *Resp. Time:* 5 ms.
- **17SB Model TFT LCD Color Display:** 17" diag. ***Sun-Bright:* 1000 nits (cd/m²).** *Maximum Res:* 1280 x 1024 @ 16 M colors. *Viewing Angle:* **140° H, 130° V.** *Contrast Ratio:* **600:1.** *Pixel Pitch:* 0.26 mm. *Horiz. Freq.:* 30 ~80 kHz, *Vert. Freq.:* 56~75 Hz. *Response Time:* **8 ms.**
- **Video Inputs:** *17D:* VGA & DVI-D ports, w/ 4.5' cables. *17SB:* VGA port, DVI port, **S-Video port** and **Composite Video RCA (TV) port.** 6' DB-15 VGA & 6' DVI cables incl.
- **Optional Touchscreen:** *Type:* 5-wire analog resistive. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included.
- **Optional *AR-Bonding*™:** Reduces reflections by a factor >40.
- **Controls:** Sealed front-access or unsealed rear-access OSD buttons (rack-mount models: front access controls only). On-Screen display controls include: brightness, contrast, sharpness, color balance, color temperature, horizontal and vertical position, geometry, video source select, OSD language select, position of OSD controls, and reset to factory default settings.
- **Power:** *17D:* Internal pwr. supply; max. 20W; input: 100-240 VAC @ 50/60 Hz. *17SB:* DC input on rear panel with external power supply; input: 100-240 VAC @ 50/60 Hz; max. output: 5A @ +12 VDC.
- **Enclosure:** Panel-mount models meet **NEMA 4X** standards for watertightness when properly mounted; rack-mount bezels do not seal to rack and are NEMA 1. Units without touchscreen feature antireflecting, antiglare glass. Features corrosion-resistant, heavy-duty stainless steel enclosure (304 SS). 0.125" thick elastomeric gasket seals between monitor rear panel and mounting panel. Two 60 x 60 mm fans. Stainless-steel air filters. *Colors:* Brushed stainless steel or black front bezel (call for custom colors).
- **Panel-Mount Dimensions:** 16.0" **W** x 14.5" **H** x 3.0" **D** (406 x 368 x 76 mm). *Panel-Mount Cut-Out:* 15.2" x 13.7" (386 x 348 mm). *Bezel Depth in Front of Panel:* 0.3". *Gasket:* 0.125". *Depth Behind Panel:* 2.7". *Weight:* 18.2 lbs (8.24 kg).
- **Rack-Mount Dimensions:** 19.0" **W** x 14.0" (8U) **H** x 3.0" **D** (483 x 356 x 76 mm). *Bezel Depth in Front of Panel:* 0.2". *Gasket:* 0.125". *Depth Behind Panel:* 2.8". *Weight:* 19.2 lbs (8.69 kg).
- **Mounting:** Enclosure can be rack, panel, wall, or swivel arm mounted. No need to drill stud holes. *17C* has 75 mm VESA mtg. holes; *17SB* has both 75 & 100 mm VESA mtg. holes.
- **Environmental:** *17SB Op. Temp.:* +32° to +122°F (0° to +50°C). *St. Temp.:* –4° to +140°F (–20° to +60°C). *17D Op. Temp.:* +50° to +122°F (10° to +50°C). *St. Temp.:* –4° to +131°F (–20° to +55°C). *Relative Humidity:* 10~95%, noncondensing. *Shock:* 30g (1/2 sine for 11 msec.). *Vibration:* 15~57 Hz: 0.006" p-p; 57~640 Hz sine: 1.0g p-p. *Alt.:* Operating ≤ 10,000'; nonoperating ≤ 40,000'. *Compliance:* FCC Class A, CE.

Ordering Information — Flush-Mount CyRAQ 17

Visit cyberresearch.com for detailed information.

BLACK COLOR stainless steel bezel

#CPBF 17D	Panel-Mt 17", black, **front** controls, 250 nits	**$1495**
#CPBR 17D	Panel-Mt 17", black, **rear** controls, 250 nits	**$1495**
#CFBF 17D	**Rack-Mt** 17", black, front controls, 250 nits	**$1595**
#CPBF 17SB	Panel-Mt 17", black, **front** controls, **1000 nits**	**$2195**
#CPBR 17SB	Panel-Mt 17", black, **rear** controls, **1000 nits**	**$2195**
#CFBF 17SB	**Rack-Mt** 17", black, front controls, **1000 nits**	**$2295**

BRUSHED STAINLESS steel bezel

#CPSF 17D	Panel-Mt 17", stainless, **front** controls, 250 nits	**$1495**
#CPSR 17D	Panel-Mt 17", stainless, **rear** controls, 250 nits	**$1495**
#CFSF 17D	**Rack-Mt** 17", stainless, front controls, 250 nits	**$1595**
#CPSF 17SB	Panel-Mt 17", stainless, **front** controls, **1000 nits**	**$2195**
#CPSR 17SB	Panel-Mt 17", stainless, **rear** controls, **1000 nits**	**$2195**
#CFSF 17SB	**Rack-Mt** 17", stainless, front controls, **1000 nits**	**$2295**

Touchscreen and *AR-Bonding* Options for 17" *CyRAQ* Monitors *(original order only)*

Optional Touchscreen: Add suffix **-TRS** (serial) or **-TRU** (USB) to part numbers shown for 17" models to add analog resistive touchscreen .....add **$500**

Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* anti-reflective glass treatment.....add **$600**

All *CyRAQ 17* models include mounting hardware and cables for power, VGA, and DVI. 17D cables are 4.5', 17SB cables are 6'. Call for longer lengths.

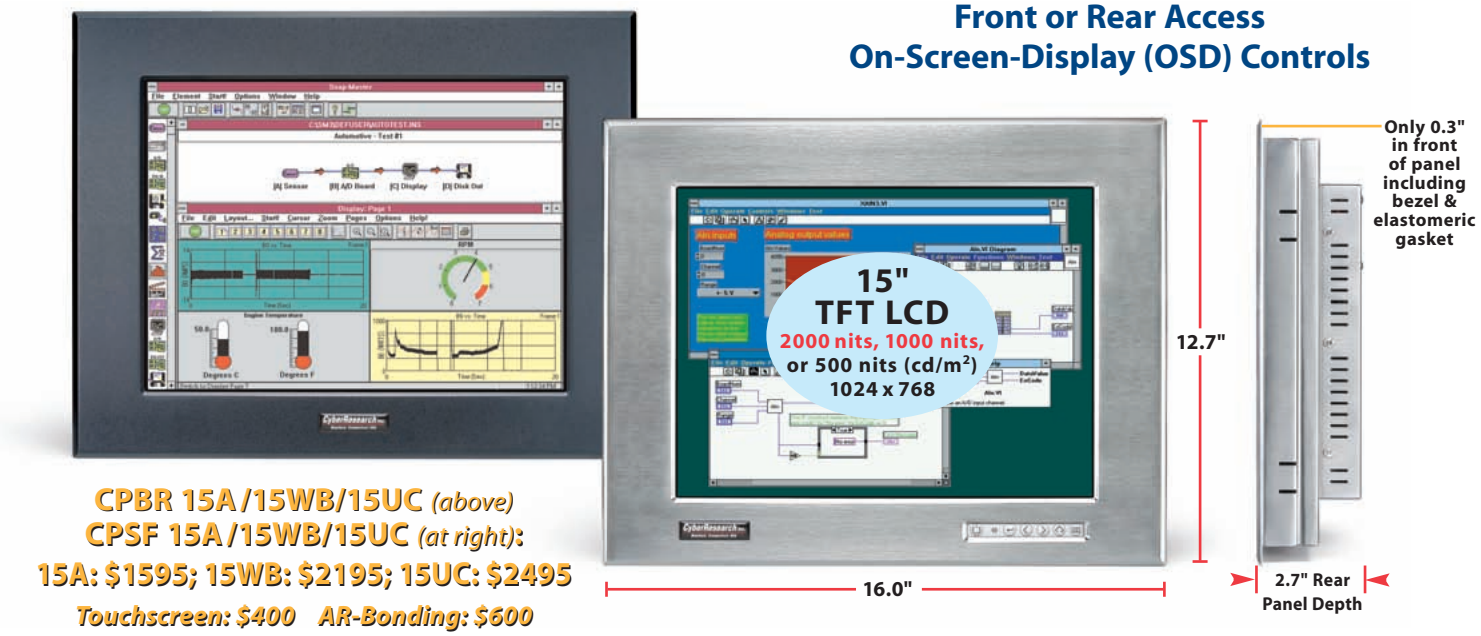
Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time.

QUANTITY DISCOUNTS: 1-4/LIST 5-9/5% 10-24/10% 25+/CALL **Quantities of a Single Item Per Shipment – Call for Details**

CyRAQ® 15

Panel or Rack-Mount a 15" "Flush-Mount" LCD Monitor

Front or Rear Access
On-Screen-Display (OSD) Controls



CPBR 15A/15WB/15UC *(above)*
CPSF 15A/15WB/15UC *(at right)*:
15A: $1595; 15WB: $2195; 15UC: $2495
Touchscreen: $400 AR-Bonding: $600

Specifications	*Flush-Mount CyRAQ 15*
Screen Size	11.97 x 8.98", 15" diagonal
Brightness	*15A:* 500 nits; *15WB:* **1000 nits** *15UC:* **2000 nits** (cd/m²)
Maximum Resolution	1024 x 768 @ 16 million colors
Viewing Angle	*15A:* 140° H, 120° V; *15WB:* 170° (H & V) *15UC:* 160° horizontal, 160° vertical
Contrast Ratio	*15A* 500:1; *15WB:* 600:1, *15UC:* 800:1
Response Time	*15A:* 12 ms; *15WB:* 13 ms, *15UC:* 13 ms
Video Input	VGA, DVI, composite (RCA), S-Video
Controls	**Front** or **rear** (front only on rack-mt models)
Optional Upgrades	Resistive Touchscreen, *AR-Bonding*™ (pg. 18)
Chassis Construction	Stainless steel; NEMA 4X front panel
Colors (call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 19)	***Rack-Mount:*** Landscape only ***Panel-Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Rack-Mt. Dimensions	19" W x 12.2" H/7U x 3.0" D (483 x 310 x 76mm)
Panel-Mt. Dimensions	16" W x 12.7" H x 3.0" D (406 x 323 x 76mm)
Rear Panel Depth	*Panel-Mount:* 2.7"; *Rack-Mount:* 2.8"
Panel-Mount Cutout	15.2" W x 11.9" H (386 x 302 mm)
Weight	*Panel-Mount Models*: 15.9 lbs. (7.21 kg) *Rack-Mount Models*: 16.6 lbs. (7.53 kg)

NEW!

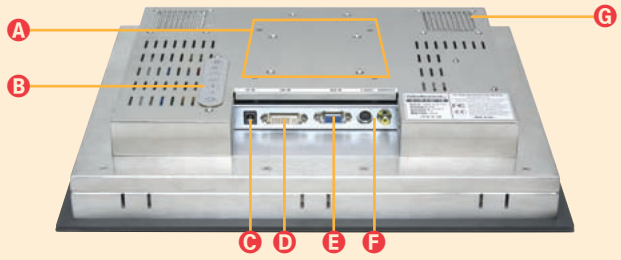
CyRAQ® 15 Panel PC

See pp. 54~61 or visit cyberresearch.com for our latest models of the *CyRAQ 15 Panel PC!*

The ***CyRAQ 15*** series of monitors includes both rack and panel mounting enclosures with a choice of LCD displays: the *15WB* features a sunbright 1000-nit LCD with wide viewing angles (170° H/V); the *15UC* includes a very bright 2000-nit LCD; and the *15A* provides a cost-effective 500-nit LCD.

CyRAQ 15WB: Rear Panel Features & Connectors

(to see CyRAQ 15A/15UC rear panels, please visit our website)



Ⓐ VESA mounting holes Ⓑ Rear-panel OSD controls Ⓒ DC in Ⓓ DVI port Ⓔ VGA port Ⓕ S-Video in *(left)*; Composite Video in *(right)* Ⓖ Cooling fans
Not shown: *USB port or RS-232 port (touchscreen models only)*

- **15WB LCD Color Display:** 15" diagonal. *Sun-Bright:* **1000 nits (cd/m²).** *Maximum Resolution:* 1024 x 768 @ 16 M colors. *Supports:* 1024 x 768, 800 x 600, and 640 x 480. *Viewing Angle:* 170° H/V. *Contrast Ratio:* 600:1. *Pixel Pitch:* 0.3 mm. *Horizontal Frequency:* 37.5 kHz~60 kHz, *Vertical Frequency:* 60~75 Hz. *Response Time:* 13 ms.
- **15UC LCD Color Display:** 15" diagonal. *Sun-Bright:* **2000 nits (cd/m²).** *Maximum Resolution:* 1024 x 768 @ 16 M colors. *Supports:* 1024 x 768, 800 x 600, and 640 x 480. *Viewing Angle:* 160° H, 160° V. *Contrast Ratio:* 800:1. *Pixel Pitch:* 0.3 mm. *Horizontal Frequency:* 37.5 kHz~60 kHz, *Vertical Frequency:* 60~75 Hz. *Response Time:* 13 ms.
- **15A LCD Color Display:** 15" diagonal. *High-Bright:* **500 nits (cd/m²).** *Maximum Resolution:* 1024 x 768 @ 16 M colors. *Supports:* 1024 x 768, 800 x 600, and 640 x 480. *Viewing Angle:* 140° H, 120° V. *Contrast Ratio:* 500:1. *Pixel Pitch:* 0.3 mm. *Horizontal Frequency:* 37.5 kHz~60 kHz, *Vertical Frequency:* 60~75 Hz. *Response Time:* 12 ms.
- **Video Inputs:** VGA port, DVI port, S-Video port, and Composite Video RCA (TV) port. 6' DB-15 VGA and 6' DVI cables included.

www.cyberresearch.com
Visit our website for detailed product information!
Toll-Free Assistance: 1-800-341-2525 (USA) Tel: 203-643-5000 Fax: 203-643-5001
Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

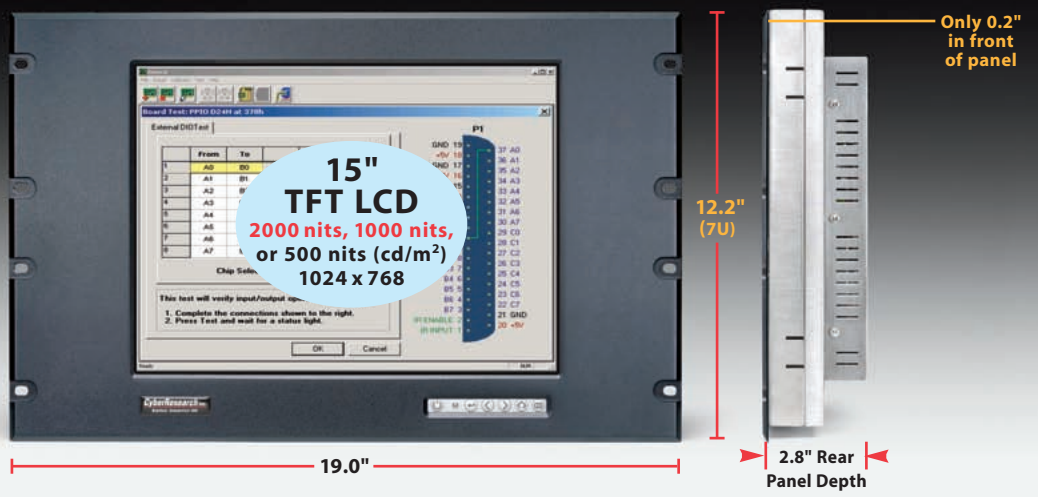
Rugged NEMA 4X Stainless Steel "Flush-Mount" Monitors

Front or Rear OSD Controls • Optional Touchscreen • Optional *AR-Bonding*™

Rack-Mount Low-Profile Ultra-Thin "Flush-Mount" 304 Stainless Steel Bezel Only 0.2" Thick

Available in Black (shown) or Brushed Stainless Steel

CFBF 15A: $1695
CFBF 15WB: $2295
CFBF 15UC: $2595



Touchscreen: $400 *AR-Bonding: $600* **Available in Black (shown) or Brushed Stainless Steel**

- **Optional Touchscreen:** *Type:* 5-wire analog resistive. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included.
- **Optional *AR-Bonding*™ Anti-Reflective Glass Treatment:** See page 18 for full details.
- **Controls:** Sealed front-access or unsealed rear-access OSD buttons (rack-mt. models: front only). On-Screen display controls incl: brightness, contrast, sharpness, color balance, color temp., horiz. & vert. position, geometry, source, OSD control position, & reset to factory default settings.
- **Enclosure:** Panel-mount models meet **NEMA 4X** standards for watertightness when properly mounted; rack-mount bezels do not seal to rack and are NEMA 1. Features corrosion-resistant, heavy-duty stainless steel enclosure (304 SS). 0.125" thick elastomeric gasket seals between monitor rear panel and mounting panel. Units without touchscreen feature antireflecting, antiglare glass. Two 60 x 60 mm fans. Stainless-steel air filters. *Colors:* Brushed stainless steel or black front bezel (call for custom colors).
- **Power:** External power supply incl. *Input:* 100-240 VAC, 2.5A, 50/60 Hz. *Output:* 6.6 A @ +12 VDC.
- **Panel-Mount Dimensions:** 16.0"**W** x 12.7"**H** x 3.0"**D** (406 x 323 x 76 mm). *Panel-Mount Cutout:* 15.2"**W** x 11.9"**H** (386 x 302 mm). *Bezel Depth in Front of Panel:* 0.2". *Gasket:* 0.125". *Maximum Protrusion:* 0.2" without gasket. *Weight:* 15.9 lbs (7.21 kg).
- **Rack-Mount Dimensions:** 19.0"**W** x 12.2"**H** x 3.0"**D** (483 x 310 x 76 mm). *Bezel Depth in Front of Panel:* 0.2". *Gasket:* 0.125". *Max. Protrusion:* 0.2" w/out gasket. *Weight:* 16.6 lbs (7.53 kg).
- **Mounting:** Enclosure can be rack, panel, wall, or swivel-arm mounted. Optional Portrait Rack-Mounting (image orientation software optional). *Rack Height:* 12.2" (7U) landscape or 19.25" (11U) portrait. No need to drill stud holes. Also has VESA 100 x 100 mm mounting holes for swivel-arm mounting.
- **Environmental:** *Operating Temperature:* 32° to 122°F (0° to +50°C). *Storage Temperature.:* –4° to +140°F (–20° to +60°C). *Relative Humidity:* 10~95%, noncondensing *Shock:* 30g; *Vibration:* 15~57 Hz: 0.006" peak-to-peak; 57~640 Hz sine: 1.0 g peak-to-peak. *Compliance:* FCC Class A, CE.

Ordering Information — Flush-Mount CyRAQ 15

Visit cyberresearch.com for detailed information.

BLACK COLOR stainless steel bezel *15WB with wide viewing angle!*		BRUSHED STAINLESS steel bezel *15WB with wide viewing angle!*	
#**CPBF 15A**	Panel-Mt 15", black, **front** controls, 500 nits.....**$1595**	#**CPSF 15A**	Panel-Mt 15", stainless, **front** controls, 500 nits.....**$1595**
#**CPBR 15A**	Panel-Mt 15", black, **rear** controls, 500 nits.....**$1595**	#**CPSR 15A**	Panel-Mt 15", stainless, **rear** controls, 500 nits.....**$1595**
#**CFBF 15A**	**Rack-Mt** 15", black, front controls, 500 nits.....**$1695**	#**CFSF 15A**	**Rack-Mt** 15", stainless, front controls, 500 nits.....**$1695**
#**CPBF 15WB**	Panel-Mt 15" , black, **front** controls, **1000 nits** **$2195**	#**CPSF 15WB**	Panel-Mt 15", stainless, **front** controls, **1000 nits**...**$2195**
#**CPBR 15WB**	Panel-Mt 15", black, **rear** controls, **1000 nits** **$2195**	#**CPSR 15WB**	Panel-Mt 15", stainless, **rear** controls, **1000 nits**...**$2195**
#**CFBF 15WB**	**Rack-Mt** 15", black, front controls, **1000 nits** **$2295**	#**CFSF 15WB**	**Rack-Mt** 15", stainless, front controls, **1000 nits**...**$2295**
#**CPBF 15UC**	Panel-Mt 15", black, **front** controls, **2000 nits** **$2495**	#**CPSF 15UC**	Panel-Mt 15", stainless, **front** controls, **2000 nits**...**$2495**
#**CPBR 15UC**	Panel-Mt 15", black, **rear** controls, **2000 nits** **$2495**	#**CPSR 15UC**	Panel-Mt 15", stainless, **rear** controls, **2000 nits**...**$2495**
#**CFBF 15UC**	**Rack-Mt** 15", black, front controls, **2000 nits** **$2595**	#**CFSF 15UC**	**Rack-Mt** 15", stainless, front controls, **2000 nits**...**$2595**

Touchscreen and *AR-Bonding* Options for 15" *CyRAQ* Monitors *(original order only)*

Optional Touchscreen: Add the suffix **-TRS** (serial) or **-TRU** (USB) to any of the part numbers shown above for analog resistive touchscreen.....add **$400**

Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* anti-reflective glass treatment *(see page 18)*.....add **$600**

All *CyRAQ 15* models include: Mounting hardware, 6-foot cables for power, VGA, and DVI (visit our website or call for longer cables).

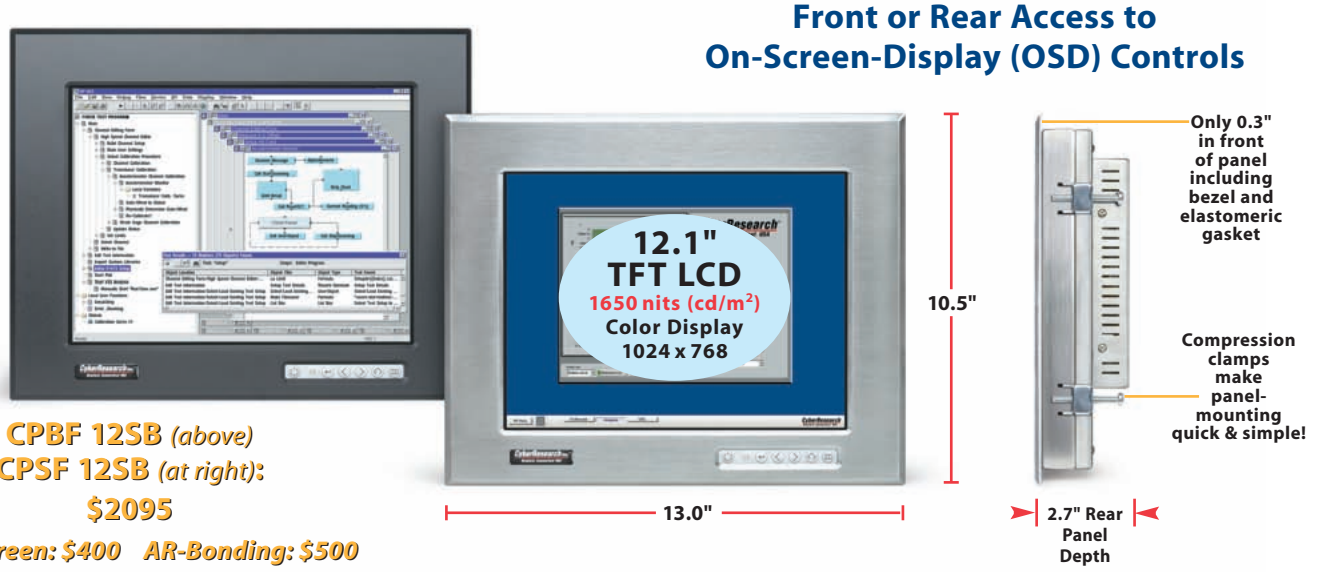
Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time.

QUANTITY DISCOUNTS: 1-4/LIST 5-9/5% 10-24/10% 25+/CALL **Quantities of a Single Item Per Shipment – Call for Details**

CyRAQ® 12

Sun-Bright 1650-nit 12" LCD Operates at –22 to +158°F

Front or Rear Access to On-Screen-Display (OSD) Controls



CPBF 12SB *(above)*
CPSF 12SB *(at right)*:
$2095

Touchscreen: $400 AR-Bonding: $500

Flush-Mount CyRAQ 12

See our Web Site for The CyRAQ 12A $500 Less! 540 nits

Screen Size	9.67 x 7.26", 12.1" diag.
Brightness	1650 nits (cd/m²)
Maximum Resolution	1024 x 768 @ 256K colors
Viewing Angle	160° (horizontal), 160° (vertical.)
Contrast Ratio	800:1
Response Time	11.5 ms g-to-g
Video Input	VGA, composite (RCA), S-video DVI special order only, call for availability
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Touchscreen (see below), *AR-Bonding*™ (pg. 18)
Chassis Construction	**NEMA 4X** front panel; 304 stainless steel
Colors (call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 19)	***Panel Mount***: Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Dimensions	13.0" W x 10.5" H x 3.0" D (330 x 267 x 76 mm)
Panel Depth	*Rear:* 2.7" (69 mm); *Front bezel:* 0.3" (8 mm)
Panel-Mount Cutout	12.3" W x 9.6" H (312 x 244 mm)
Weight	10.7 lbs. (4.85 kg)

The rugged ***CyRAQ 12*** series of monitors features a Sun-Bright 1650-nit sunlight-readable display. Its NEMA 4X stainless-steel enclosure is ideal for panel or VESA mounting with a choice of front or rear access OSD.

- **LCD Color Display:** 12.1" diagonal *Sun-Bright:* **1650 nits (cd/m²).** *Max. Res.:* 1024 x 768 @ 256K colors. *Viewing Angle:* 160° H/160° V. *Contrast Ratio:* 800:1. *Pixel Pitch:* 0.24 mm. *Horizontal Frequency:* 30 kHz~82 kHz, *Vert. Freq.:* 50~85 Hz. *Response Time:* 11.5 ms g-g.
- **Video Inputs:** VGA port, S-video port, and Composite Video RCA (TV) port. 6-foot cable included for VGA input. DVI special order only, call for availability.
- **Optional Touchscreen:** *Type:* 5-wire analog resistive. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included.
- **Optional *AR-Bonding*™ Anti-Reflective Glass Treatment:** See pg. 18 for full details.
- **Controls:** Sealed front-access or unsealed rear-access OSD buttons. On-Screen display controls include: brightness, contrast, horizontal & vertical position, color temperature, hue, sharpness, signal source, phase, clock, light sensor, and management functions.
- **Power:** External power supply included; *Input:* 115-230 VAC, 50/60 Hz. *Output:* +12 VDC. Monitor DC input on rear panel. *Power Consumption:* 71W typ., 5W in power-saving mode.
- **Environmental:** ***Op. Temp.: –22° to +158°F*** (-30° to +70°C). ***Storage Temp.: –40° to +176°F*** (–40° to +80°C). *Relative Humidity:* 10~95%, noncond. *Shock:* 30g (1/2 sine for 11 msec.) *Vibration:* 15~57 Hz: 0.006" peak-to-peak; 57~640 Hz sine: 1.0g peak-to-peak.

See pages 54~61 or visit cyberresearch.com for the latest models of our *CyRAQ 12 Panel PC!*

Ordering Information — Flush-Mount CyRAQ 12

Visit cyberresearch.com for detailed information.

BLACK COLOR stainless steel bezel

#CPBF 12SB Panel-Mt 12", black, **front** controls, 1650 nits **$2095**
#CPBR 12SB Panel-Mt 12", black, **rear** controls, 1650 nits **$2095**

BRUSHED STAINLESS steel bezel

#CPSF 12SB Panel-Mt 12", stainless, **front** controls, 1650 nits...**$2095**
#CPSR 12SB Panel-Mt 12", stainless, **rear** controls, 1650 nits...**$2095**

Touchscreen and *AR-Bonding* Options for 12" *CyRAQ* Monitors *(original order only)*

Optional Touchscreen: Add suffix **-TRS** (serial) or **-TRU** (USB) to part numbers shown for 12" models to add analog resistive touchscreen .....add **$400**
Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* antireflective glass treatment *(see page 18)*.....add **$500**

All *CyRAQ 12* models include: Mounting hardware, 6-foot cables for power and VGA (visit our website or call for longer cables). DVI special order only, call for availability.

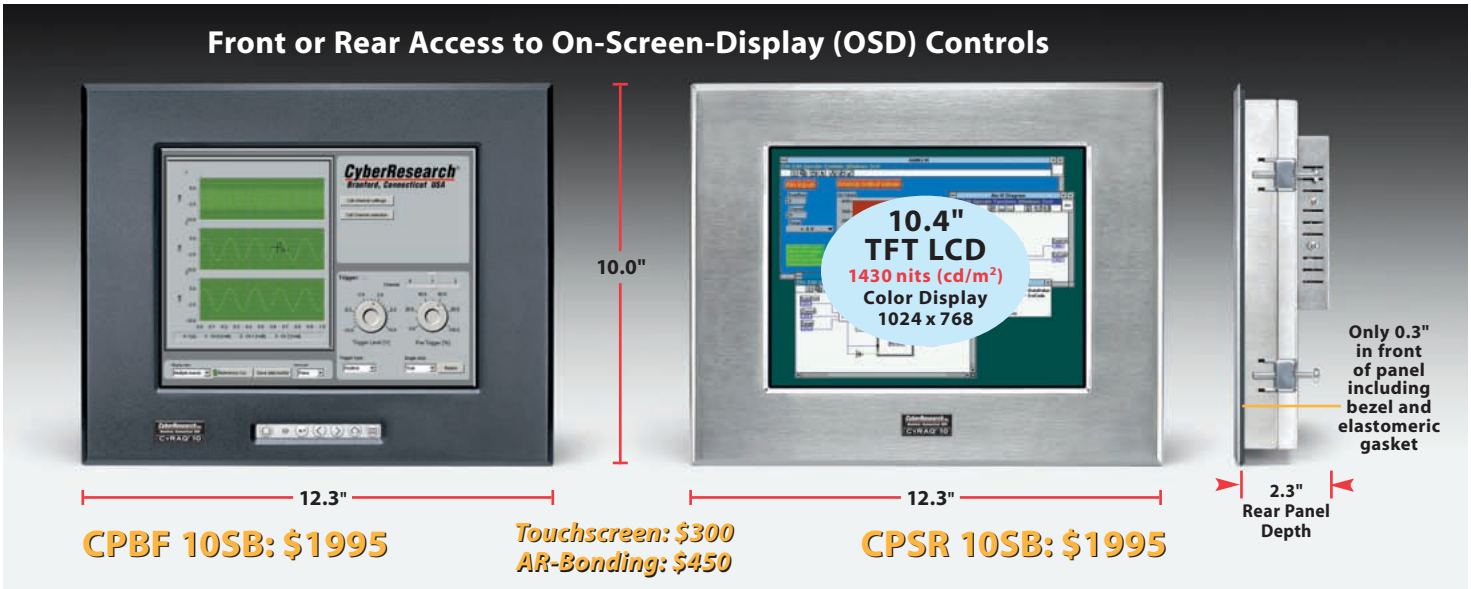
Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time.

QUANTITY DISCOUNTS: 1-4/LIST 5-9/5% 10-24/10% 25+/CALL **Quantities of a Single Item Per Shipment – Call for Details**

Toll-Free Assistance: 1-800-341-2525 (USA) Tel: 203-643-5000 Fax: 203-643-5001
Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

CyRAQ® 10

Sun-Bright 10" LCD Monitor for Extreme Temperatures



Flush-Mount CyRAQ 10

See our Web Site for The CyRAQ 10A $500 Less! 400 nits

Screen Size	8.32 x 6.24", 10.4" diag.
Brightness	**1430 nits** (cd/m²)
Maximum Resolution	1024 x 768 @ 256K colors
Viewing Angle	176° (horizontal), 176° (vertical)
Contrast Ratio	600:1 (optimum)
Response Time	14 ms g-to-g
Video Input	VGA, composite (RCA), S-video
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Analog Resistive Touchscreen (see below), *AR-Bonding*™ (pg. 18)
Chassis Construction	**NEMA 4X** front panel; 304 stainless steel
Colors (call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 25)	***Panel Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Dimensions	12.3" W x 10" H x 2.6" D (311 x 254 x 66 mm)
Panel Depth	*Rear:* 2.3" (58mm); *Front bezel:* 0.3" (8 mm)
Panel-Mount Cutout	11.6" W x 9.6" H (295 x 238 mm)
Weight	9.9 lbs. (4.49 kg)

The compact new ***CyRAQ 10*** series of monitors features a Sun-Bright 1450-nit sunlight-readable display. Its flush-mount NEMA 4X stainless-steel enclosure is ideal for use in high or low ambient temperatures.

- **TFT LCD Color Display:** 10.4" diag. *Sun-Bright:* **1430 nits (cd/m²).** *Max. Res.:* 1024 x 768 @ 256K colors. *Viewing Angle:* 176° H/176° V. *Contrast Ratio:* 600:1. *Pixel Pitch:* 0.21 mm. *Horizontal Frequency:* 30 kHz~82 kHz, *Vert. Freq.:* 50~85 Hz. *Response Time:* 14 ms g-g.
- **Video Inputs:** VGA port, S-video port, and Composite Video RCA (TV) port. 6-foot cable included for VGA input.
- **Optional Touchscreen:** *Type:* 5-wire analog resistive. Requires one RS-232 serial port (DB-9F connector) or a USB port. 6-foot cable included.
- **Optional *AR-Bonding*™ Anti-Reflective Glass Treatment:** See pg. 18 for full details.
- **Controls:** Sealed front-access or unsealed rear-access OSD buttons. On-Screen display controls include: brightness, contrast, horizontal and vertical position, color temperature, hue, sharpness, signal source, phase, clock, light sensor, and management functions.
- **Power:** External power supply included; *Input:* 115-230 VAC, 50/60 Hz. *Output:* +12 VDC. Monitor DC input on rear panel. *Power Consumption:* 45 W typ., 5W in power-saving mode.
- **Environmental:** ***Op. Temp.: –4° to +158°F*** (–20° to +70°C). ***Storage Temp.: –4° to +176°F*** (–20° to +80°C). *Relative Humidity:* 10~95%, noncond. *Shock:* 30g (1/2 sine for 11 msec.) *Vibration:* 15~57 Hz: 0.006" peak-to-peak; 57~640 Hz sine: 1.0g peak-to-peak.

See pages 54~61 or visit cyberresearch.com for our latest models of *CyRAQ Panel PCs!*

Ordering Information — Flush-Mount CyRAQ 10

Visit cyberresearch.com for detailed information.

BLACK COLOR stainless steel bezel

#CPBF 10SB Panel-Mt 10.4", black, **front** controls, **1430 nits** **$1995**
#CPBR 10SB Panel-Mt 10.4", black, **rear** controls, **1430 nits** **$1995**

BRUSHED STAINLESS steel bezel

#CPSF 10SB Panel-Mt 10.4", stainless, **front** controls, **1430 nits**..**$1995**
#CPSR 10SB Panel-Mt 10.4", stainless, **rear** controls, **1430 nits**..**$1995**

Touchscreen and *AR-Bonding* Options for 10.4" *CyRAQ* Monitors *(original order only)*

Optional Touchscreen: Add suffix **-TRS** (serial) or **-TRU** (USB) to part numbers shown for 10" models to add analog resistive touchscreen .....add **$300**
Optional *AR-Bonding*: Add the suffix **-U** to any of the above part numbers for optional *AR-Bonding* anti-reflective glass treatment *(see page 18)* .....add **$450**

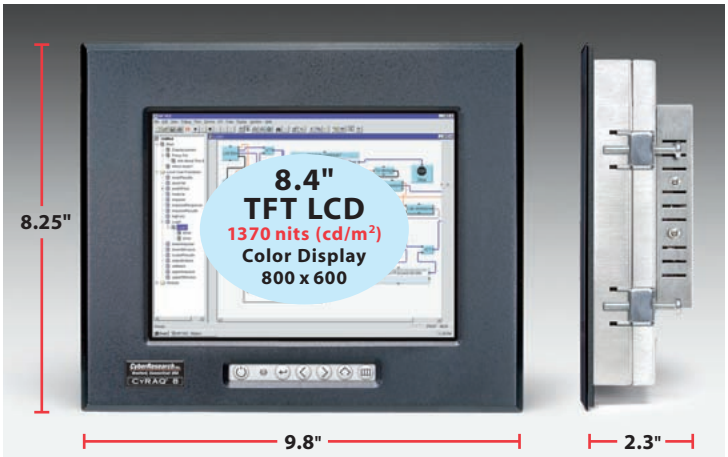
All *CyRAQ 10* models include: Mounting hardware, 6-foot cables for power and VGA (visit our website or call for longer cables).

Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time.

QUANTITY DISCOUNTS: 1-4/LIST 5-9/5% 10-24/10% 25+/CALL **Quantities of a Single Item Per Shipment – Call for Details**

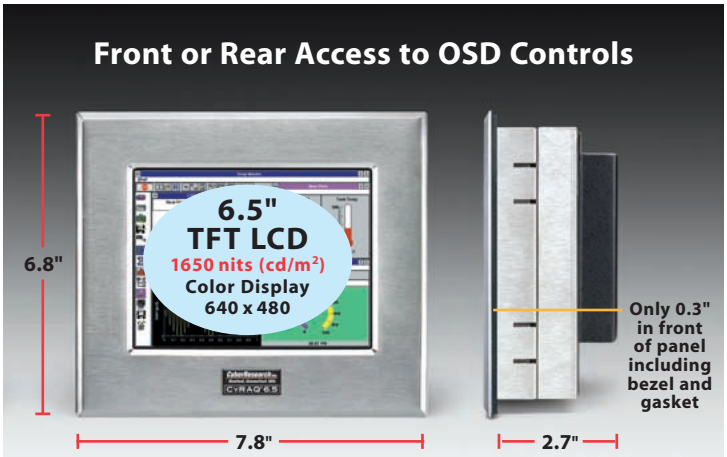
CyRAQ® 8 & 6.5

Our Most Compact *CyRAQ* Monitors!



CPBF 08SB: $1895

Touchscreen: $250
AR-Bonding: $450



CPSR 06SB: $1795

Touchscreen: $200
AR-Bonding: $400

Flush-Mount CyRAQ 8

See our Web Site for The CyRAQ 8A $500 Less! 350 nits

Screen Size	6.71 x 5.03", 8.4" diag.
Brightness	**1370 nits** (cd/m²)
Maximum Resolution	800 x 600 @ 16m colors
Viewing Angle	110º (horizontal), 100º (vertical)
Contrast Ratio	350:1 (optimum)
Response Time	50 ms
Video Input	VGA, composite (RCA), S-video
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Analog Resistive Touchscreen (see below), *AR-Bonding*™ (pg. 18)
Chassis Construction	**NEMA 4X** front panel; 304 stainless steel
Colors (call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 25)	***Panel Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Dimensions	9.75" W x 8.25" H x 2.6" D (248 x 210 x 66 mm)
Panel Depth	*Rear:* 2.3" (58mm); *Front bezel:* 0.3" (8 mm)
Panel-Mount Cutout	9.1" W x 7.6" H (232 x 194 mm)
Weight	7.2 lbs. (3.27 kg)

Flush-Mount CyRAQ 6.5

See our Web Site for The CyRAQ 6.5A $500 Less! 350 nits

Screen Size	5.22 x 3.93", 6.5" diag.
Brightness	**1650 nits** (cd/m²)
Maximum Resolution	640 x 480 @ 262K colors
Viewing Angle	120º (horizontal), 100º (vertical)
Contrast Ratio	450:1 (optimum)
Response Time	31 ms
Video Input	VGA, composite (RCA), S-video
Controls	**Front** or **rear** panel OSD controls
Optional Upgrades	Analog Resistive Touchscreen (see below), *AR-Bonding*™ (pg. 18)
Chassis Construction	**NEMA 4X** front panel; 304 stainless steel
Colors (call for custom colors)	Brushed **stainless steel** or **black**
Mounting Options (see mounting info on page 25)	***Panel Mount:*** Landscape or Portrait Wall Bracket or **VESA** swivel arm mount
Dimensions	7.8" W x 6.8" H x 3.0" D (197 x 171 x 78 mm)
Panel Depth	*Rear:* 2.7" (69 mm); *Front bezel:* 0.3" (8 mm)
Panel-Mount Cutout	7.1" W x 6.1" H (181 x 155 mm)
Weight	5.1 lbs. (2.31 kg)

Ordering Information — *Flush-Mount CyRAQ 8*

#CPBF 08SB	Panel-Mt 8.4", **black**, front controls, **1370 nits** ...**$1895**
#CPBR 08SB	Panel-Mt 8.4", black, **rear** controls, **1370 nits** **$1895**
#CPSF 08SB	Panel-Mt 8.4", **stainless**, front ctrls, **1370 nits** ...**$1895**
#CPSR 08SB	Panel-Mt 8.4", stainless, **rear** ctrls, **1370 nits** **$1895**

Options for 8.4" CyRAQ Monitors (original order only)

Touchscreen: Add suffix **-TRS** (serial) or **-TRU** (USB) to part # ..add **$250**
AR-Bonding: Add suffix **-U** to part number *(see page 18)* .....add **$450**

Ordering Information — *Flush-Mount CyRAQ 6.5*

#CPBF 06SB	Panel-Mt 6.5", **black**, front controls, **1650 nits** ...**$1795**
#CPBR 06SB	Panel-Mt 6.5", black, **rear** controls, **1650 nits** **$1795**
#CPSF 06SB	Panel-Mt 6.5", **stainless**, front ctrls, **1650 nits** ...**$1795**
#CPSR 06SB	Panel-Mt 6.5", stainless, **rear** ctrls, **1650 nits** **$1795**

Options for 6.5" CyRAQ Monitors (original order only)

Touchscreen: Add suffix **-TRS** (serial) or **-TRU** (USB) to part # ..add **$200**
AR-Bonding: Add suffix **-U** to part number *(see page 18)* .....add **$400**

All *CyRAQ* models shown above include: Mounting hardware, 6-foot cables for power and VGA (visit our website or call for longer cables).

Specifications subject to change without notice. CyberResearch reserves the right to make product improvements at any time.

Quantity Discounts: 1-4/List 5-9/5% 10-24/10% 25+/Call **Quantities of a Single Item Per Shipment – Call for Details**

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Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

CyRAQ®

Specifications Comparison Chart

All *CyRAQ* monitors shown here are also available incorporated into rugged industrial Panel PCs!
See pages 54~61 for details.

Part Number	Page Number	Basic Unit Price (See page for ordering info.)	Resistive Touchscreen (See page for ordering info.)	AR-Bonding™ Treatment (See page 24 for detailed info.)	Display Size (Diagonal)	Maximum Resolution	Brightness in nits (cd/m²)	Front or Rear OSD Controls	NEMA Rated Front Panel Ⓜ	Dimensions (W x H x D")	Depth Behind Bezel	Panel Cutout (W x H")	Operating Temperature	Weight	Part Number
Universal Rack & Panel-Mount			***CyRAQ® Series***					***Brushed Stainless Steel or Black Color***							***Color LCD Monitors***
#CRBx 40SC	Call	**$4995**	$Call	$1500	40.0"	1920 x 1080	**700**	Frnt/Rear	4X	37.9 x 22 x 5.5"	3.7"	37 x 20.9"	0 to 50°C	68 lbs.	**#CRBx 40SC**
#CRBx 32B	20	**$2995**	$1500	$1500	31.5"	1920 x 1080	**450**	Frnt/Rear	4X	31 x 19 x 3.5"	1.5"	29.4 x 17.4"	0 to 50°C	55 lbs.	**#CRBx 32B**
#CRBx 24J	21	**$2695**	$1000	$1000	24.0"	1920 x 1200	**400**	Frnt/Rear	4X	24.4 x 17.5 x 3.2"	1.1"	23.4 x 16.5"	0 to 50°C	37 lbs.	**#CRBx 24J**
#CRBx 21D	22	**$2495**	$500	$700	21.3"	1600 x 1200	**300**	Frnt/Rear	4X	19.0 x 15.7 x 3.2"	1.6"	17.4 x 14.0"	0 to 50°C	24 lbs.	**#CRBx 21D**
#CRBx 20A	24	**$2195**	$500	$700	20.0"	1600 x 1200	**300**	Frnt/Rear	4X	19.0 x 15.7 x 3.8"	2.2"	17.4 x 14.0"	0 to 50°C	24 lbs.	**#CRBx 20A**
#CRBx 19SC	26	**$2695**	$500	$700	19.0"	1280 x 1024	**1540**	Frnt/Rear	4X	19.0 x 15.7 x 3.1"	1.5"	17.4 x 14.0"	0 to 50°C	20.7 lbs.	**#CRBx 19SC**
#CRBx 19F	26	**$1495**	$500	$700	19.0"	1280 x 1024	**300**	Frnt/Rear	4X	19.0 x 15.7 x 3.1"	1.5"	17.4 x 14.0"	0 to 50°C	20.7 lbs.	**#CRBx 19F**
Flush Rack-Mount			***CyRAQ® Series***					***Brushed Stainless Steel or Black Color***							***Color LCD Monitors***
#CFBF 24J	Call	**$3295**	$1000	$1000	24.0"	1920 x 1200	**400**	Front	1®	19.0 x 24.4 x 3.4"	3.1"	—	0 to 50°C	47 lbs.	**#CFBF 24J**
#CFBF 17SB	30	**$2295**	$500	$600	17.0"	1280 x 1024	**1000**	Front	1®	19.0 x 14.0 x 3.0"	2.8"	—	0 to 50°C	19.2 lbs.	**#CFBF 17SB**
#CFBF 17D	30	**$1595**	$500	$600	17.0"	1280 x 1024	**250**	Front	1®	19.0 x 14.0 x 3.0"	2.8"	—	10 to 50°C	19.2 lbs.	**#CFBF 17D**
#CFBF 15UC	32	**$2595**	$400	$600	15.0"	1024 x 768	**2000**	Front	1®	19.0 x 12.2 x 3.0"	2.8"	—	0 to 50°C	16.6 lbs.	**#CFBF 15UC**
#CFBF 15WB	32	**$2295**	$400	$600	15.0"	1024 x 768	**1000**	Front	1®	19.0 x 12.2 x 3.0"	2.8"	—	0 to 50°C	16.6 lbs.	**#CFBF 15WB**
#CFBF 15A	32	**$1695**	$400	$600	15.0"	1024 x 768	**500**	Front	1®	19.0 x 12.2 x 3.0"	2.8"	—	0 to 50°C	16.6 lbs.	**#CFBF 15A**
Flush Panel-Mount			***CyRAQ® Series***					***Brushed Stainless Steel or Black Color***							***Color LCD Monitors***
#CPBx 40SC	Call	**$5495**	$Call	$1500	40.0"	1920 x 1080	**700**	Frnt/Rear	4X	39.5 x 23.5 x 5.7"	3.7"	37.9 x 22"	0 to 50°C	84 lbs.	**#CPBx 40SC**
#CPBx 32B	20	**$3595**	$1500	$1500	31.5"	1920 x 1080	**450**	Frnt/Rear	4X	32.5 x 20.5 x 3.7"	3.4"	31 x 19"	0 to 50°C	69 lbs.	**#CPBx 32B**
#CPBx 24J	28	**$3195**	$1000	$1000	24.0"	1920 x 1200	**400**	Frnt/Rear	4X	25.4 x 18.5 x 3.4"	3.1"	24.6 x 17.6"	0 to 50°C	47 lbs.	**#CPBx 24J**
#CPBx 21D	28	**$2895**	$500	$700	21.3"	1600 x 1200	**300**	Frnt/Rear	4X	20 x 16.7 x 3.4"	3.1"	19.1 x 15.8"	0 to 50°C	30.3 lbs.	**#CPBF 21D**
#CPBx 20A	28	**$2595**	$500	$700	20.0"	1600 x 1200	**300**	Frnt/Rear	4X	20 x 16.7 x 4.0"	3.7"	19.1 x 15.8"	0 to 50°C	28 lbs.	**#CPBx 20A**
#CPBx 19SC	28	**$3095**	$500	$700	19.0"	1280 x 1024	**1540**	Frnt/Rear	4X	20 x 16.7 x 3.3"	3.0"	19.1 x 15.8"	0 to 50°C	26.2 lbs.	**#CPBx 19SC**
#CPBx 19F	28	**$1895**	$500	$700	19.0"	1280 x 1024	**300**	Frnt/Rear	4X	20 x 16.7 x 3.3"	3.0"	19.1 x 15.8"	0 to 50°C	26.2 lbs.	**#CPBx 19F**
#CPBx 17SB	30	**$2195**	$500	$600	17.0"	1280 x 1024	**1000**	Frnt/Rear	4X	16 x 14.5 x 3.0"	2.7"	15.2 x 13.7"	0 to 50°C	18.2 lbs.	**#CPBx 17SB**
#CPBx 17D	30	**$1495**	$500	$600	17.0"	1280 x 1024	**250**	Frnt/Rear	4X	16 x 14.5 x 3.0"	2.7"	15.2 x 13.7"	10 to 50°C	18.2 lbs.	**#CPBx 17D**
#CPBx 15UC	32	**$2495**	$400	$600	15.0"	1024 x 768	**2000**	Frnt/Rear	4X	16 x 12.7 x 3.0"	2.7"	15.2 x 11.9"	0 to 50°C	15.9 lbs.	**#CPBx 15UC**
#CPBx 15WB	32	**$2195**	$400	$600	15.0"	1024 x 768	**1000**	Frnt/Rear	4X	16 x 12.7 x 3.0"	2.7"	15.2 x 11.9"	0 to 50°C	15.9 lbs.	**#CPBx 15WB**
#CPBx 15A	32	**$1595**	$400	$600	15.0"	1024 x 768	**500**	Frnt/Rear	4X	16 x 12.7 x 3.0"	2.7"	15.2 x 11.9"	0 to 50°C	15.9 lbs.	**#CPBx 15A**
#CPBx 12SB	34	**$2095**	$400	$500	12.1"	1024 x 768	**1650**	Frnt/Rear	4X	13.0 x 10.5 x 3.0"	2.7"	12.3 x 9.6"	-30 to +70°C	10.7 lbs.	**#CPBx 12SB**
#CPBx 12A	Call	**$1595**	$400	$500	12.1"	1024 x 768	**450**	Frnt/Rear	4X	13.0 x 10.5 x 3.0"	2.7"	12.3 x 9.6"	-30 to +70°C	10.7 lbs.	**#CPBx 12A**
#CPBx 10SB	35	**$1995**	$300	$450	10.4"	1024 x 768	**1430**	Frnt/Rear	4X	12.3 x 10.0 x 2.6"	2.3"	11.6 x 9.6"	-20 to +70°C	9.9 lbs.	**#CPBx 10SB**
#CPBx 10A	Call	**$1495**	$300	$450	10.4"	1024 x 768	**400**	Frnt/Rear	4X	12.3 x 10.0 x 2.6"	2.3"	11.6 x 9.6"	-20 to +70°C	9.9 lbs.	**#CPBx 10A**
#CPBx 08SB	36	**$1895**	$250	$450	8.4"	800 x 600	**1370**	Frnt/Rear	4X	9.75 x 8.25 x 2.6"	2.3"	9.1 x 7.6"	0 to 50°C	7.2 lbs.	**#CPBx 08SB**
#CPBx 08A	Call	**$1395**	$250	$450	8.4"	800 x 600	**350**	Frnt/Rear	4X	9.75 x 8.25 x 2.6"	2.3"	9.1 x 7.6"	0 to 50°C	7.2 lbs.	**#CPBx 08A**
#CPBx 06SB	36	**$1795**	$200	$400	6.5"	640 x 480	**1650**	Frnt/Rear	4X	7.8 x 6.8 x 3.0"	2.7"	7.1 x 6.1"	0 to 50°C	5.1 lbs.	**#CPBx 06SB**
#CPBx 06A	Call	**$1295**	$200	$400	6.5"	640 x 480	**400**	Frnt/Rear	4X	7.8 x 6.8 x 3.0"	2.7"	7.1 x 6.1"	0 to 50°C	5.1 lbs.	**#CPBx 06A**
VESA-Mount			***CyRAQ® Series***					***Brushed Stainless Steel or Black Color***							***Color LCD Monitors***
#CVBx 32B	20	**$2995**	$1500	$1500	31.5"	1920 x 1080	**450**	Frnt/Rear	1	31 x 19 x 3.7"	—	—	0 to 50°C	69 lbs.	**#CVBx 32B**
#CVBx 21D	22	**$2495**	$500	$700	21.3"	1600 x 1200	**300**	Frnt/Rear	1	19 x 15.7 x 3.2"	—	—	0 to 50°C	24 lbs.	**#CVBx 21D**
#CVBx 20A	24	**$2195**	$500	$700	20.0"	1600 x 1200	**300**	Frnt/Rear	1	19 x 15.7 x 3.8"	—	—	0 to 50°C	24 lbs.	**#CVBx 20A**
#CVBx 19SC	26	**$2695**	$500	$700	19.0"	1280 x 1024	**1540**	Frnt/Rear	1	19 x 15.7 x 3.1"	—	—	0 to 50°C	20.7 lbs.	**#CVBx 19SC**
#CVBx 19F	26	**$1495**	$500	$700	19.0"	1280 x 1024	**300**	Frnt/Rear	1	19 x 15.7 x 3.1"	—	—	0 to 50°C	20.7 lbs.	**#CVBx 19F**
#CVBx 17SB	30	**$2195**	$500	$600	17.0"	1280 x 1024	**1000**	Frnt/Rear	1	15 x 13.75 x 3.0"	—	—	0 to 50°C	18 lbs.	**#CVBx 17SB**
#CVBx 17D	30	**$1495**	$500	$600	17.0"	1280 x 1024	**250**	Frnt/Rear	1	15 x 13.75 x 3.0"	—	—	10 to 50°C	18 lbs.	**#CVBx 17D**

NOTES: Part numbers shown are for black color; see referenced pages for brushed stainless steel; call for custom colors. To add a resistive touchscreen, add suffix **–TRS** (serial) or **–TRU** (USB) to part number and add amount shown in the "Resistive Touchscreen" column to the price in the "Basic Unit Price" column. To add *AR-Bonding*™ (pg. 18), add suffix **–U** with your original order. For example, the part number for CRBR 21D w/ serial touchscreen & *AR-Bonding* would be **CRBR 21D-TRS-U**. Ⓜ NEMA rating if properly mounted in an appropriate enclosure. ◎ Rear controls available, see referenced pages. Ⓟ Controls are located on side of front bezel. Ⓡ Rated NEMA 1 (rack-mt. bezel does not seal to rack). For NEMA 4X applications, use panel-mt. or larger rack-mt. models. Ⓥ See pp. 40~45 for swivel arms. See web for more *CyRAQ* specifications.

For panel PCs based on *CyRAQ* monitors and MPC compact PCs, see pages 54~61.

Quantity Discounts: 1-4/List 5-9/5% 10-24/10% 25+/Call Quantities of a Single Item Per Shipment – Call for Details

Multipurpose Monitors for Industrial Applications

In addition to our expanded line of rugged high performance *CyRAQ*® NEMA 4X stainless steel monitors (pp. 16~37), we continue to offer a broad selection of multipurpose monitors for our customers who wish to maintain continuity on existing applications.

We also offer rack-mount FoldAway™ combinations, which include both monitor and keyboard in a 1U drawer (see pp. 46~51). Many FoldAway monitors also have KVM switches, and there's an optional touchscreen on our GFA 1510A. For complete details, please visit our website, cyberresearch.com.

Multipurpose Monitor Chart

Part Number	Page Number	Basic Unit Price (See page for ordering info.)	Resistive Touchscreen (See page for ordering info.)	Other Options	Display Size (Diagonal)	Maximum Resolution	Brightness in nits (cd/m²)	Mounting Options Ⓜ	Special Features	NEMA Rated Front Panel	Dimensions (W x H x D")	Depth Behind Panel	Panel Cutout (W x H")	Operating Temperature	Weight	Part Number
Panel-Mount			***MPD Series***						***Industrial Panel-Mount Monitors***						***Color TFT LCD Displays***	
#MPD 06AG-TR	39	**$895**	Included	Ⓓ Ⓡ	6.5"	640 x 480	300	Panel Ⓐ	All Models Include Touchscreen	4	7.2 x 5.6 x 1.6"	1.5"	7.1 x 5.1"	0 to 50°C	2.2 lbs.	**#MPD 06AG-TR**
#MPD 08AG-TR	Call	**$995**	Included	Ⓡ	8.4"	800 x 600	300	Panel Ⓐ	Panel/Rack/ VESA-Mount	4	9.6 x 7.0 x 1.9"	1.6"	9.3 x 6.7"	0 to 50°C	4.0 lbs.	**#MPD 08AG-TR**
#MPD 10AG-TR	Call	**$1095**	Included	Ⓡ	10.4"	800 x 600	300	Panel Ⓐ	Industrial-Duty Aluminum Alloy Bezel	4	12.3 x 9.5 x 2.1"	1.7"	11.5 x 8.8"	0 to 50°C	6.6 lbs.	**#MPD 10AG-TR**
#MPD 12AG-TR	39	**$1195**	Included	Ⓡ	12.1"	800 x 600	300	Panel Ⓐ	Gray Color	4	13.4 x 10.2 x 2.3"	2.0"	12.3 x 9.0"	0 to 50°C	8.4 lbs.	**#MPD 12AG-TR**
#MPD 15AG-TR	39	**$1395**	Included	Ⓡ	15.0"	1024 x 768	250	Panel Ⓐ		4	16.2 x 12.2 x 2.6"	2.2"	15.3 x 11.3"	0 to 50°C	13.2 lbs.	**#MPD 15AG-TR**
#MPD 17AG-TR	39	**$1595**	Included	Ⓡ	17.0"	1280 x 1024	250	Panel Ⓐ		4	17.8 x 14.4 x 2.6"	2.2"	16.8 x 13.1"	0 to 50°C	18.9 lbs.	**#MPD 17AG-TR**
Benchtop-Mount			***GDH and GDR Series***						***Industrial Benchtop-Mount or Wall-Mount Monitors***						***Color TFT LCD Displays***	
#GDH 15B Ⓖ	Call	**$395**	$400	—	15.0"	1024 x 768	230	Bench Ⓐ	Bench/VESA-Mt. Plastic Housing Black or Beige Color Ⓖ	—	14.9 x 12.6 x 2.5"	—	—	0 to 45°C	10.6 lbs.	**#GDH 15B**
#GDH 17B Ⓖ	39	**$445**	$400	—	17.0"	1280 x 1024	250	Bench Ⓐ		—	17.4 x 15.7 x 3.8"	—	—	0 to 45°C	12.0 lbs.	**#GDH 17B**
#GDH 19B Ⓖ	Call	**$595**	$600	—	19.0"	1280 x 1024	250	Bench Ⓐ		1	17.4 x 14.8 x 3.0"	—	—	0 to 45°C	15.2 lbs.	**#GDH 19B**
#GDR 12	39	**$1995**	$400	—	12.1"	800 x 600	300	Bench Ⓦ	Bench/VESA-Mt. Black Die-Cast Bezel	12	12.5 x 9.3 x 2.4"	—	—	0 to 50°C	6.7 lbs.	**#GDR 12**
#GDR 15L	Call	**$1695**	$400	—	15.1"	1024 x 768	250	Bench Ⓦ		12	15.3 x 11.0 x 2.5"	—	—	0 to 50°C	9.9 lbs.	**#GDR 15L**
Rack-Mount			***GFA, GFC, GFM Series***						***Industrial Rack-Mount Monitors***						***Color TFT LCD Displays***	
#GFA 1510A	50	**$1195**	$800	—	15.0"	1024 x 768	230	Rack	FoldAway™ LCD Monitor w/ Keybd. Touchscreen (some models) 8-Port KVM Switch (some models)	—	19.0 x **1U** x 22.2"	—	—	0 to 45°C	19.5 lbs.	**#GFA 1510A**
#GFA 1518B	49	**$1495**	—	—	15.0"	1024 x 768	230	Rack Ⓚ		—	19.0 x **1U** x 23.6"	—	—	0 to 45°C	28.9 lbs.	**#GFA 1518B**
#GFA 1710B	48	**$1495**	—	—	17.0"	1280 x 1024	250	Rack		—	19.0 x **1U** x 25.4"	—	—	0 to 45°C	30.0 lbs.	**#GFA 1710B**
#GFA 1718B	48	**$1795**	—	—	17.0"	1280 x 1024	250	Rack Ⓚ		—	19.0 x **1U** x 24.9"	—	—	0 to 45°C	30.6 lbs.	**#GFA 1718B**
#GFA 1910B	46	**$1695**	—	—	19.0"	1280 x 1024	250	Rack		—	19.0 x **1U** x 25.4"	—	—	0 to 45°C	28.4 lbs.	**#GFA 1910B**
#GFA 1918B	46	**$1995**	—	—	19.0"	1280 x 1024	250	Rack Ⓚ		—	19.0 x **1U** x 25.4"	—	—	0 to 45°C	29.0 lbs.	**#GFA 1918B**
#GFC 1708DA	Call	**$2095**	—	—	17.0"	1280 x 1024	300	Rack	Dual Rails	—	19.0 x **1U** x 26.0"	—	—	0 to 40°C	30.0 lbs.	**#GFC 1708DA**
#GFC 1716B	47l	**$2175**	—	©	17.0"	1280 x 1024	300	Rack Ⓚ	16-Port KVM	—	19.0 x **1U** x 24.5"	—	—	0 to 45°C	38.2 lbs.	**#GFC 1716B**
#GFM 1501	51	**$1395**	—	—	15.0"	1024 x 768	250	Rack	Steel Bezel, Black 8-Port KVM (1508B)	—	19.0 x **1U** x 20.2"	—	—	0 to 50°C	21.3 lbs.	**#GFM 1501**
#GFC 1508B	51	**$1795**	—	—	15.0"	1024 x 768	250	Rack Ⓚ		—	19.0 x **1U** x 23.2"	—	—	0 to 50°C	25.0 lbs.	**#GFC 1508B**

NOTES: To add an analog resistive touchscreen (if available), add suffix **–TR** to part number. For the GFA 1510A, add **–TRU** for a USB touchscreen connector or **–TRS** for a DB-9 serial connector. Please note that resistive touchscreens reduce brightness somewhat. Capacitive touchscreens if available may involve longer delivery time. Call for price and availability. Ⓐ VESA mounting holes on rear panel; see pages 40~45 and visit our website for VESA-mounting swivel arms and brackets. © Remote PCs can use any mix of USB or PS/2 keyboard/mouse connectors. Ⓓ DIN-mount kit available. Ⓖ Change suffix **B** to **W** to special-order beige models. Ⓚ Includes 8-port KVM switch; GFC 1716B includes 16-port KVM switch. Ⓜ NEMA rating applicable when properly mounted in a suitable enclosure. Ⓡ Rack-mount and wall-mount kits available (see cyberresearch.com for details). Ⓦ Visit our website for details on mounting options.

Quantity Discounts: 1-4/List 5-9/5% 10-24/10% 25+/Call **Quantities of a Single Item Per Shipment – Call for Details**

www.cyberresearch.com Visit our website for detailed product information!
Toll-Free Assistance: 1-800-341-2525 (USA) Tel: 203-643-5000 Fax: 203-643-5001
Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

FoldAway™ w/ 8-port KVM & 15" LCD

See page 49

Now enjoy the convenience of a touchpad with an 8-port KVM, a touch-typing keyboard & a bright 230-nit 15" LCD, and store it in only 1U!

FoldAway™ w/ 8-port KVM & 17" LCD

See page 48

You only need 1U of rack space to install an 8-port KVM with a generous 17" high-bright LCD monitor and 105-key keyboard with touchpad.

FoldAway with Touchscreen!

See page 50

Finally, a 1U FoldAway with a touchscreen! Your choice of RS-232 or USB touchscreen connector with a 15" LCD and full-size keyboard.

12" 300-nit Panel-Mount LCD

Visit www.cyberresearch.com and enter "MPD 12AG-TR" in Search field

Our RoHS-compliant 300-nit monitor with touchscreen is only 2" deep behind the panel. It can also mount on walls, racks, or VESA arms

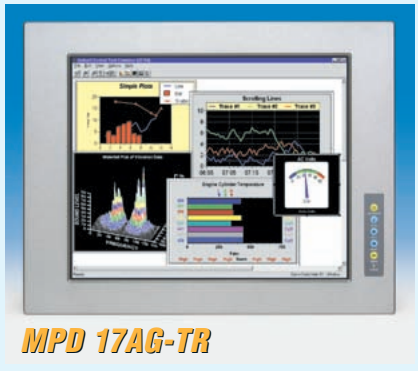
Rack- or Panel-Mount 15" LCD

Visit www.cyberresearch.com and enter "MPD 15AG-TR" in Search field

You can panel-, rack-, or VESA-mount this 250-nit 15" monitor with integral touchscreen. Fully RoHS-compliant, with front OSD controls.

17" LCD with Touchscreen

Visit www.cyberresearch.com and enter "MPD 17AG-TR" in Search field



17" LCD with 250 nits brightness, 1280 x 1024 pixels, and 140° horizontal viewing angle, with aluminum bezel and resistive touchscreen.

17" Desktop LCD, 250 nits

Visit www.cyberresearch.com and enter "GDH 17B" in Search field

Our GDH 17B combines easy viewing brightness with sleek yet rugged appearance, integral speakers, and an optional touchscreen.

Rugged 12" LCD is NEMA 12

Visit www.cyberresearch.com and enter "GDR 12" in Search field

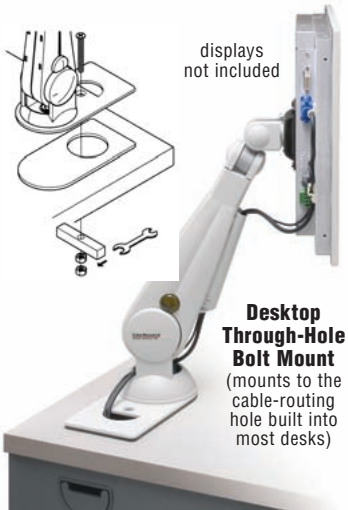
Our GDR 12 with cast aluminum enclosure can be powered from 12 VDC for vehicular use, & provide 300 nits, 800 x 600, 75mm VESA mounting holes.

6.5" LCD with Touchscreen

Visit www.cyberresearch.com and enter "MPD 06AG-TR" in Search field

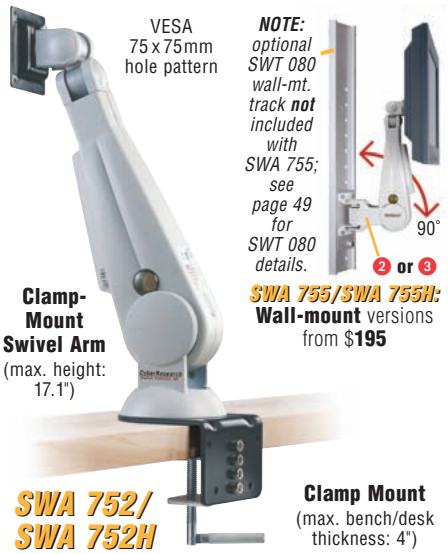
Ideal for tight spaces, our 6.5" 300-nit LCD with touchscreen & ultra-tough aluminum alloy bezel measures **only 7.2"W x 5.6"H x 1.6"D!**

SWA Series Heavy-Duty Pneumatic Gas-Cylinder Swivel Arms



SWA 754/SWA 754H Desktop Through-Hole Bolt Mount Swivel Arm:
Only $195 (High-Capacity: $245)

SWA 753/SWA 753H Swivel Arm with Weighted Stand:
Only $200 (High-Capacity: $250)


VESA 75 x 75mm hole pattern
NOTE: optional SWT 080 wall-mt. track not included with SWA 755; see page 49 for SWT 080 details.
90°
2 or 3
Clamp-Mount Swivel Arm (max. height: 17.1")
Clamp Mount (max. bench/desk thickness: 4")

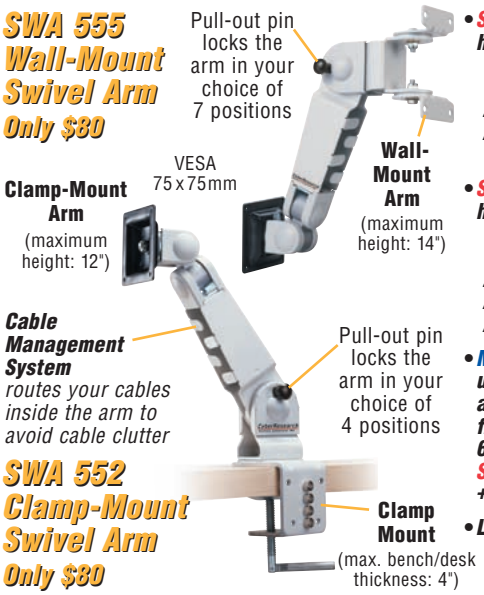
SWA 755/SWA 755H: Wall-mount versions from **$195**

SWA 752/ SWA 752H Clamp-Mount Swivel Arm:
Only $195 (High-Capacity: $245)

- ***SWA 752 Clamp-Mount, SWA 753 Weighted Stand, SWA 754 Through-Hole have 5 axes of motion: 180° pan left to right 180° pivot up & down 270° rotation CW/CCW Arm raises 90° Arm base swivels 360°***
- ***SWA 755 Wall-Mount Arm bolts to wall or track (base swivels 200°)***
- ***Loads from 7 to 20 lbs.; high-capacity versions of all models also available (16 to 30 lbs.)***
- ***Cable management system routes cables along the arm to avoid cable clutter***
- ***Adjusts to most comfortable viewing position***
- ***Friction system allows for smooth movement without knobs or levers***
- ***Internal gas spring counter balances display***

Horiz./Vertical-Mount Swivel Arms

SWA 555 Wall-Mount Swivel Arm
Only $80


Pull-out pin locks the arm in your choice of 7 positions
VESA 75 x 75mm
Clamp-Mount Arm (maximum height: 12")
Wall-Mount Arm (maximum height: 14")
Cable Management System routes your cables inside the arm to avoid cable clutter
Pull-out pin locks the arm in your choice of 4 positions
Clamp Mount (max. bench/desk thickness: 4")

SWA 552 Clamp-Mount Swivel Arm
Only $80

- ***SWA 555 Wall-Mount has 5 axes of motion: 180° pan left to right 180° pivot up & down 270° rotation CW/CCW Arm raises/lowers 180° Wall-Mount Arm pan 180°***
- ***SWA 552 Clamp-Mount has 5 axes of motion: 180° pan left to right 180° pivot up & down 270° rotation CW/CCW Arm raises 90° Arm Base swivels 360°***
- ***Mechanical Swivel Arm uses pull-out pin to lock arm of SWA 555 up or down from horizontal by ±0°, 30°, 60°, or 90° (7 positions); SWA 552 positions +0°, 30°, 60°, 90°***
- ***Loads up to 18 lbs.***

Clamp *or* Wall-Mount Swivel Arm

VESA 75 x 75mm
Rugged all-steel internal construction with attractive, easy to clean injection-molded plastic external covers
Available in beige (white)
SWA 652
Clamp-Mount Arm (max. height: 19")
Wall Mounting: top half of bracket can be attached to a vertical surface.
Clamp Mount (maximum bench/desk thickness: 3.5")

SWA 652B Clamp-Mount Swivel Arm: Only $150

- ***SWA 652 Clamp-Mount (can also be Wall-Mount) has 5 axes of motion: 180° pan left to right 180° pivot up & down 360° rotation CW/CCW Arm raises 90° Arm base swivels 360°***
- ***Cable management system routes cables inside the arm to avoid cable clutter***
- ***Friction system allows for smooth movement without knobs or levers***
- ***Adjust your monitor to the most comfortable viewing position***
- ***Internal gas spring counterbalances display***
- ***Loads from 5 to 16 lbs.***
- ***Available in beige (white) or black color casing***

Ordering Information: **Visit cyberresearch.com/arms for detailed info.**

Give us a call — we'll be happy to help you configure a swivel arm system!

SWA Series 5-Pivot Pneumatic Gas-Cylinder Swivel Arms for use with Flat-Panel Displays and Panel PCs.

Standard-Capacity Swivel Arms — for 7 lbs. to 20 lbs.
Includes standard-capacity swivel arm, **5-pivot mount**, and 75mm VESA Mounting Pad

#SWA 752	Benchtop/Desktop Arm, **Clamp-Mount**	$195
#SWA 753	Benchtop/Desktop Arm, **Weighted Benchtop Stand** (12 lbs.)	$200
#SWA 754	Desktop-Mount Arm, **Desktop Through-Hole Bolt**	$195
#SWA 755	Wall-Mount or Track-Mt. Arm, **Direct-Bolt to Wall** 2	$195

High-Capacity Swivel Arms *(visually same as std. capacity)* **— for 16 ~ 30 lbs.**
Includes high-capacity swivel arm, **5-pivot mount**, and 75mm VESA Mounting Pad

#SWA 752H	High-Capacity version of SWA 752 (16 ~ 30 lbs.)	$245
#SWA 753H	High-Capacity version of SWA 753 (16 ~ 30 lbs.)	$250
#SWA 754H	High-Capacity version of SWA 754 (16 ~ 30 lbs.)	$245
#SWA 755H	High-Capacity version of SWA 755 (16 ~ 30 lbs.) 3	$245

SWA Series 5-Pivot Swivel Arms

Horizontal or Vertical-Mount Mechanical Swivel Arms — up to 18 lbs.
Includes Swivel Arm, **5-Pivot Mount**, and 75mm VESA Mounting Pad

#SWA 555	Wall-Mount Arm, **Direct-Bolt to Wall** (no gas cylinder)	$80
#SWA 552	Benchtop-Mount Arm, **Clamp-Mount** (no gas cylinder)	$80

Clamp *or* Wall-Mount Swivel Gas Arm — for 5 lbs. to 16 lbs.
Includes **Horizontal-Mount** Swivel Arm, **5-Pivot Mount**, and 75mm VESA Mounting Pad

#SWA 652B	**Clamp-Mt.** Gas Arm, **black** *(not recommended for Panel PCs)*	$150
#SWA 652	**Clamp-Mt.** Gas Arm, **beige (white)** *(not rec. for Panel PCs)*	$150

100mm Mounting Pad Adapter for Mounting Arms & Brackets

#SWC 100	**VESA Adapter Plate**, mount VESA 100 x 100mm on 75 x 75mm arm	$18

QUANTITY DISCOUNTS: 1-4: LIST	5-9: 5%	10-24: 10%	25+: CALL
DISCOUNTS APPLY TO QUANTITY OF ANY SINGLE ITEM PER SHIPMENT. CALL FOR DETAILS.			

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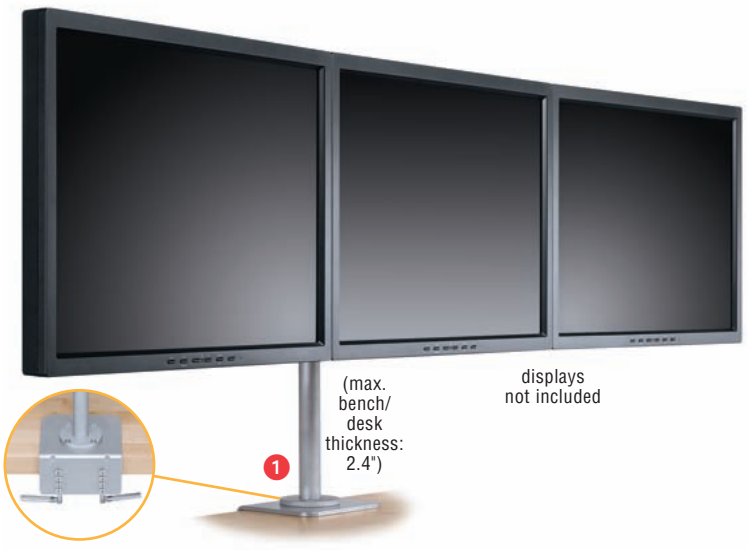
Versatile Single-Post Multidisplay Arm Systems



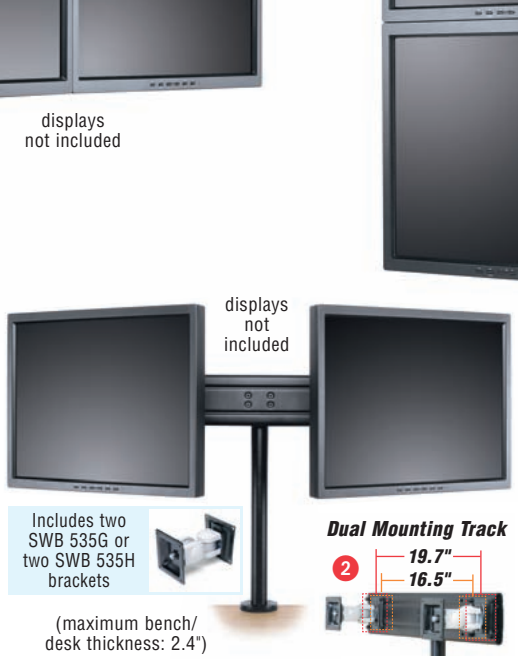
1 SWS 452-300: Triple-Display "Knuckle" Arm

2 SWD 532: Dual-Display Track & Bracket Arm

3 SWS 452-407: Quad-Display "Knuckle" Arm

- ***SWS 452-300 Triple-Display Clamp-Mount "Knuckle" Single-Post Arm System mounts to any bench or desktop up to 2.4" thick using included heavy-duty clamp***
- ***Dual display version also available*** *(**SWS 452-207**; see ordering information below)*
- ***Durable aluminum alloy and steel construction***
- ***Handles total loads up to 53 lbs. (24 kg)***
- ***Post measures 15.7" tall (40 cm)***
- ***Mounts monitors up to 21.3" wide (54 cm) each*** *(dual display version accepts monitors up to 37" wide)*

1 SWS 452-300 — Only $395



- ***SWD 532 Dual-Display Clamp-Mount Dual Mounting Position Track & Swivel Bracket Single-Post Arm System mounts to any bench or desktop up to 2.4" thick using included clamp***
- ***Handles total loads up to 35 lbs.*** *(**SWD 532H** with high-capacity swivel brackets handles up to 60 lbs.; see below)*
- ***Post: 19.7" tall (50 cm); track: 23.6" wide (60 cm)***
- ***Dual Mounting: brackets can be 19.7" or 16.5" apart***

2 SWD 532 — Only $245

- ***SWS 452-407 Quad-Display Clamp-Mount "Knuckle" Single-Post Arm System mounts to any bench or desktop up to 2.4" thick using included heavy-duty clamp***
- ***Durable aluminum alloy and steel construction***
- ***Handles total loads up to 80 lbs. (36 kg)***
- ***Post measures 27.5" tall (70 cm)***
- ***Mounts monitors up to 37" wide (94 cm) each***

3 SWS 452-407 — Only $495

Ordering Information: Visit cyberresearch.com/arms for detailed info.

Dual-Display Clamp-Mount "Knuckle" Post Arm System *(not shown; see web)*
Includes one 15.7" post, one dual-display "knuckle" arm, and heavy-duty desk/benchtop mount clamp
#**SWS 452-207** Dual-Display "Knuckle" Arm System, clamp-mount .....$**295**

Triple-Display Clamp-Mount "Knuckle" Post Arm System
Includes one 15.7" post, one dual-display "knuckle" arm, one single-display "knuckle" arm, and clamp
#**SWS 452-300** Triple-Display "Knuckle" Arm System, clamp-mt. 1 ....$**395**

Quad-Display Clamp-Mount "Knuckle" Post Arm System
Includes one 27.5" post, two dual-display "knuckle" arms, and heavy-duty desk/benchtop mount clamp
#**SWS 452-407** Quad-Display "Knuckle" Arm System, clamp-mt. 3 ....$**495**

Give us a call — we'll be happy to help you configure a swivel arm system!

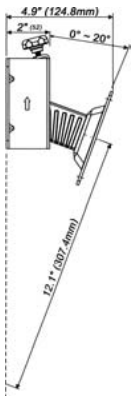
Dual-Display Clamp-Mount Track & Swivel Bracket Post Arm System
Incl: one 19.7" post, one 23.6" dual-mounting position track, two triple-pivot swivel brackets & clamp
#**SWD 532** Dual-Display Track & Bracket Arm System, clamp-mt. 2 ....$**245**

Dual-Display Clamp-Mount Track & Swivel Bracket Post Arm System
Incl: one 19.7" post, one 23.6" dual-mounting position track, two triple-pivot swivel brackets & clamp
#**SWD 532H** SWD 532 w/ **High-Capacity** Brackets (30 lbs max. ea) 2 ...$**295**

100mm Mounting Pad Adapter for Mounting Arms & Brackets
Most CyberResearch® swivel mounting arms include a VESA-standard 75 mm (75 x 75 mm) mounting pad. Use our **SWC 100** adapter to mount displays w/ VESA-standard 100 mm (100 x 100 mm) mounting holes.
#**SWC 100** **VESA Adapter Plate**, mount VESA 100 x 100mm on 75 x 75mm arm ..$**18**

Quantity Discounts: 1-4: List	5-9: 5%	10-24: 10%	25+: Call
Discounts apply to quantity of any single item per shipment. Call for details.			

SWB 415 Series "5-Tilt" Heavy-Duty All-Metal Brackets for LCD Displays



SWB 415
"5-Tilt" Bracket
Only $45

75 & 100mm VESA

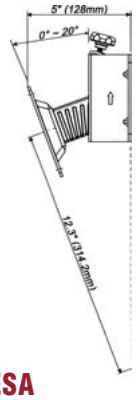
Notched slide-in bracket allows you to mount your monitor at 0°, 5°, 10°, 15°, or 20° quickly and easily!

Great for digital signage and LCD televisions!

SWB 415-200
"5-Tilt" Bracket
Only $75

Knobs ensure that display cannot be dislodged!

100 x 100mm and 200 x 100mm VESA



- ***SWB 415 "5-Tilt" Wall-Mount Bracket allows monitor to be angled at fixed positions of 0°, 5°, 10°, 15°, or 20°; mounting plate at front of slide-in bracket has 75mm & 100mm VESA mounting hole patterns***
- ***Mounting plate firmly attaches to wall – bracket slides in from front; lock down and fix monitor position using adjustment knob***
- ***Handles loads up to 35lbs.; sturdy steel construction with silver finish***

- ***SWB 415-200 "5-Tilt" Wall-Mount Bracket allows monitor to be angled at fixed positions of 0°, 5°, 10°, 15°, or 20°; front mounting plate has 100mm x 100mm & 200mm x 100mm VESA mounting hole patterns***
- ***Mounting plate firmly attaches to wall – bracket slides in from front; lock down and fix monitor position using adjustment knobs***
- ***Handles loads up to 80lbs.; sturdy steel construction with silver finish***

SWB 405 Series "Flush-Fit" All-Metal Brackets make LCD Mounting Quick & Easy!

SWB 405
"Flush-Fit" Bracket
Only $25

75mm VESA

SWB 405-100
"Flush-Fit" Bracket
Only $25

100 mm VESA

SWB 405-200
"Flush-Fit" Bracket
Only $50

Great for large displays and LCD televisions!

100x100mm & 200x100mm VESA

- ***SWB 405 "Flush-Fit" Wall-Mount Bracket allows monitor to be mounted less than 1.1" from wall!***
- ***Mounting plate has 75mm x 75mm VESA mounting hole pattern***
- ***Mounting plate firmly attaches to wall – bracket slides in from top***
- ***Handles loads up to 45lbs.; sturdy steel construction with black finish***
- ***Flush fit – does not swivel or pivot***

- ***SWB 405-100 "Flush-Fit" Wall-Mount Bracket allows monitor to be mounted less than 1.25" from wall!***
- ***Mounting plate has 100mm x 100mm VESA mounting hole pattern***
- ***Mounting plate firmly attaches to wall – bracket slides in from top***
- ***Handles loads up to 45lbs.; sturdy steel construction with silver finish***
- ***Flush fit – does not swivel or pivot***

- ***SWB 405-200 "Flush-Fit" Wall-Mount Bracket allows monitor to be mounted less than 1.8" from wall!***
- ***Quickly attaches a monitor to a wall – just mount to wall and drop monitor into place! So easy, only one person required for set-up!***
- ***Mounting plate has 100mm x 100mm & 200mm x 100mm VESA mounting hole patterns***
- ***Mounting plate firmly attaches to wall – bracket slides in from front***
- ***Handles loads up to 77lbs.; sturdy steel construction with silver finish***
- ***Flush fit – does not swivel or pivot***

Ordering Information: **Visit cyberresearch.com/arms for detailed info.**

Wall-Mount Brackets for use with LCD Displays & Panel PCs.

Wall-Mount "5-Tilt" Mounting Brackets allow for 0°, 5°, 10°, 15°, and 20° fixed angle monitor positioning and secure lock-down

Includes 2-piece bracket set, lock-down bolt(s), and mounting hardware

#**SWB 415** 5-Tilt Bracket, **75/100**mm VESA, **Direct-Bolt to Wall**.....**$45**

#**SWB 415-200** 5-Tilt Brkt., **100x100/200x100**mm VESA, **Direct-Bolt to Wall**..**$75**

Wall-Mount "Flush-Fit" Single Fixed Position Mounting Brackets

Includes bolt-to-wall base mount, slide-in bracket, and mounting hardware

#**SWB 405** Flush-Fit Bracket, **75**mm VESA, **Direct-Bolt to Wall**.....**$25**

#**SWB 405-100** Flush-Fit Bracket, **100**mm VESA, **Direct-Bolt to Wall**.....**$25**

#**SWB 405-200** Flush-Fit Brkt., **100x100/200x100**mm VESA, **Direct-Bolt to Wall**..**$50**

QUANTITY DISCOUNTS:	1-4: LIST	5-9: 5%	10-24: 10%	25+: CALL

DISCOUNTS APPLY TO QUANTITY OF ANY SINGLE ITEM PER SHIPMENT. CALL FOR DETAILS.

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Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

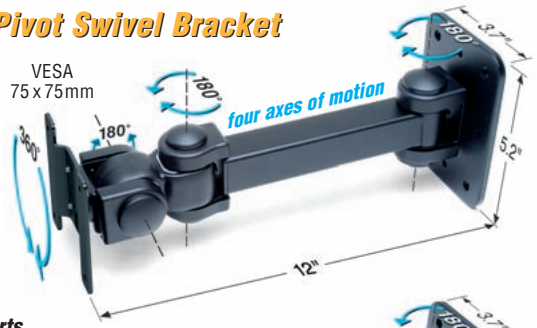
SWB and SWD Series Wall-Mount Swivel Brackets

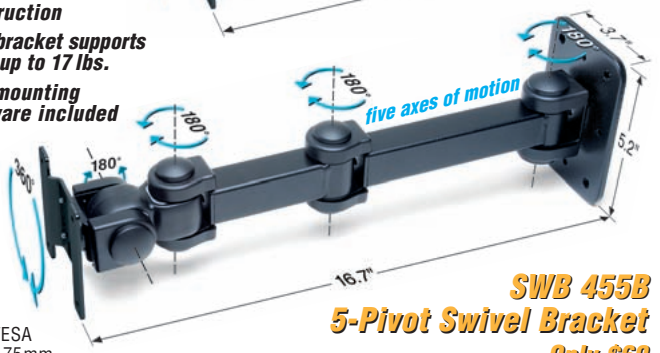
SWD 485 8-Pivot Swivel Bracket for Dual Monitors
Only $120

- **SWD 485 Wall-Mount Bracket for Dual Displays has 8 axes of motion: 180˚ pan left to right at 4 points (2 for each arm), 180˚ pivot up & down at 2 points (1 for each arm), VESA plate swivels 360˚ at 2 points (1 for each arm)**
- **Sturdy steel construction; supports up to 34 lbs. (17 lbs. on each side).**
- **Maximum width dimension (monitors facing out from each other back-to-back): 24", maximum height (wall to back of one monitor): 14.88"; minimum width (plates facing in towards each other and touching): 9.28"; minimum height: 7.44"; base width: 3.7"; base height: 5.21"**

SWB 445B 4-Pivot Swivel Bracket
Only $50

- **SWB 445 4-Pivot Arm has four axes of motion**
- **SWB 455 5-Pivot Arm has five axes of motion**
- **Sturdy steel construction**
- **Each bracket supports loads up to 17 lbs.**
- **Wall-mounting hardware included**



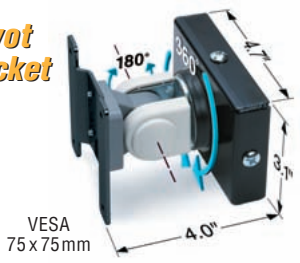


VESA 75 x 75mm

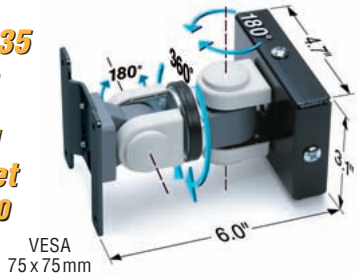
SWB 455B 5-Pivot Swivel Bracket
Only $60

SWB 425 Double-Pivot Swivel Bracket
Only $30

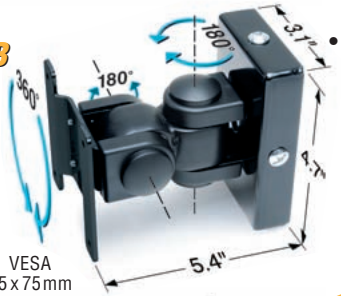
black version: **SWB 425B**



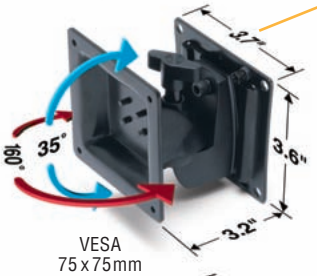
SWB 435 Triple-Pivot Swivel Bracket
Only $40



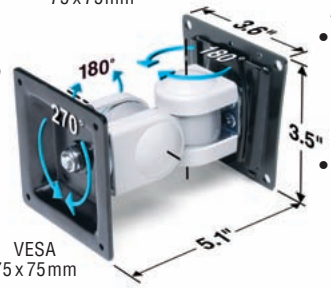
SWB 435B Triple-Pivot Swivel Bracket
Only $40



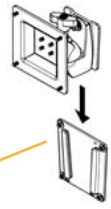
SWB 515 Ball-Joint Swivel Bracket
Only $35



SWB 535G Triple-Pivot Swivel Bracket
Only $40



- **SWB 425 Dual-Pivot has two axes of motion: 360˚ rotation CW/CCW 180˚ pivot up & down**
- **SWB 435 Triple-Pivot has three axes of motion: 180˚ pan left to right 360˚ rotation CW/CCW 180˚ pivot up & down**
- **SWB 435B Triple-Pivot has three axes of motion: 180˚ pan left to right 180˚ pivot up & down 360˚ rotation CW/CCW**
- **Friction system allows for smooth movement without knobs or levers**
- **Mounting plate** *(hidden)* **firmly attaches to wall – bracket is easy to install or remove via 4 screws**
- **SWB 425, 435, & 435B: loads up to 16 lbs.**
- **Mounting plate firmly attaches to wall – bracket slides in from top**



- **SWB 515 Universal Ball-Joint has two axes of motion: 160˚ pan left to right 35˚ pivot up & down**
- **Smooth ball joint action allows for easy adjustment — lock down and fix monitor position using parallel adjustment knob**
- **SWB 535G Triple-Pivot has three axes of motion: 180˚ pan left to right 180˚ pivot up & down 360˚ rotation CW/CCW**
- **SWB 535H High-Capacity version of SWB 535G handles loads up to 30 lbs. (SWB 515: up to 10 lbs. SWB 535G: up to 17 lbs.)**

Ordering Information: **Visit cyberresearch.com/arms for detailed info.**

4-, 5-, or 8-Pivot Wall-Mount Brackets for use with Flat-Panel TFT LCD Displays (8-Pivot Model for Dual Displays).

Vertical-Mount/Wall-Mount Swivel Bracket for Dual Monitors
Includes 8-pivot dual-display mount, 75mm VESA mounting pad, and mounting hardware

#**SWD 485B** 8-Pivot Bracket for dual monitors, **Direct-Bolt to Wall**.....**$120**

Vertical-Mount/Wall-Mount Swivel Brackets
Includes 4- or 5-pivot mount, 75mm VESA mounting pad, and mounting hardware

#**SWB 445B** 4-Pivot Wall-Mount Bracket Kit, **Direct-Bolt to Wall**.....**$50**
#**SWB 455B** 5-Pivot Wall-Mount Bracket Kit, **Direct-Bolt to Wall**.....**$60**

100mm Mounting Pad Adapter for Mounting Arms & Brackets
#**SWC 100** **VESA Adapter Plate**, mount VESA 100 x 100mm on 75 x 75mm arm....**$18**

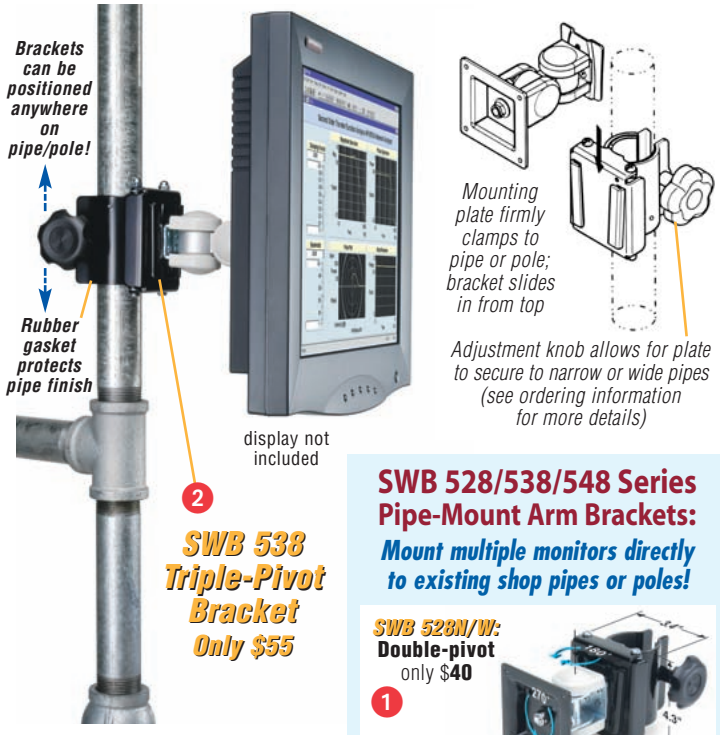
SWB Series Ball-Joint, Double, or Triple-Pivot Wall-Mount Brackets.

Wall-Mount Swivel Brackets
Includes bolt-to-wall base, ball-joint, double, or triple-pivot mount, & 75mm VESA mounting pad

#**SWB 425** Double-Pivot Wall-Mt Bracket Kit, **Direct-Bolt to Wall**.....**$30**
#**SWB 425B** Black color version of **SWB 425**.....**$30**
#**SWB 435** Triple-Pivot Wall-Mt Bracket Kit, **Direct-Bolt to Wall**.....**$40**
#**SWB 435B** Black ver. of **SWB 435** *(NOTE: pivot points differ from SWB 435)*..**$40**
#**SWB 515** Ball-Joint Wall-Mt Bracket Kit, **Direct-Bolt to Wall**.....**$35**
#**SWB 535G** Triple-Pivot Wall-Mt Bracket Kit, **Direct-Bolt to Wall**.....**$40**
#**SWB 535H** **High-Capacity** version of **SWB 535G** (up to 30 lbs.).....**$60**

QUANTITY DISCOUNTS: 1-4: LIST	5-9: 5%	10-24: 10%	25+: CALL
DISCOUNTS APPLY TO QUANTITY OF ANY SINGLE ITEM PER SHIPMENT. CALL FOR DETAILS.			

SWB Series Adjustable Pipe-Mount Arm Brackets

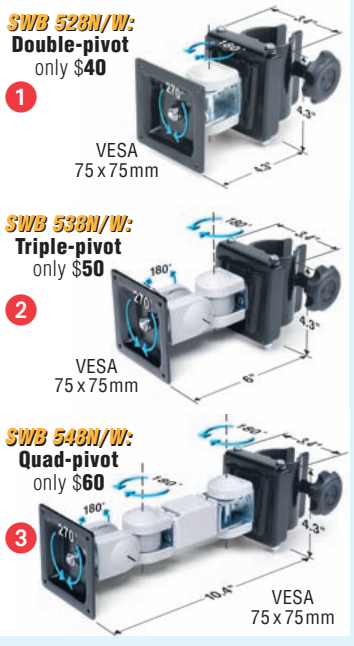

Brackets can be positioned anywhere on pipe/pole!
Rubber gasket protects pipe finish
display not included
2
SWB 538 Triple-Pivot Bracket
Only $55
Mounting plate firmly clamps to pipe or pole; bracket slides in from top
Adjustment knob allows for plate to secure to narrow or wide pipes (see ordering information for more details)

- **Save money and space by mounting one or multiple monitors on pre-existing pipes or poles***
- **Great for operational platforms & industrial shop and factory floors**
- **For narrow pipes (32~42mm), use the following brackets:**
  SWB 528N Double-Pivot Bracket, SWB 538N Triple-Pivot Bracket, SWB 548N Quad-Pivot Bracket
- **For wider pipes (42~52mm), use the following brackets:**
  SWB 528W Double-Pivot Bracket, SWB 538W Triple-Pivot Bracket, SWB 548W Quad-Pivot Bracket
- **Each bracket can handle a total load of 17 lbs.**

* CyberResearch strongly recommends determining weight capacity limitations of pipes prior to installation of brackets.

SWB 528/538/548 Series Pipe-Mount Arm Brackets:

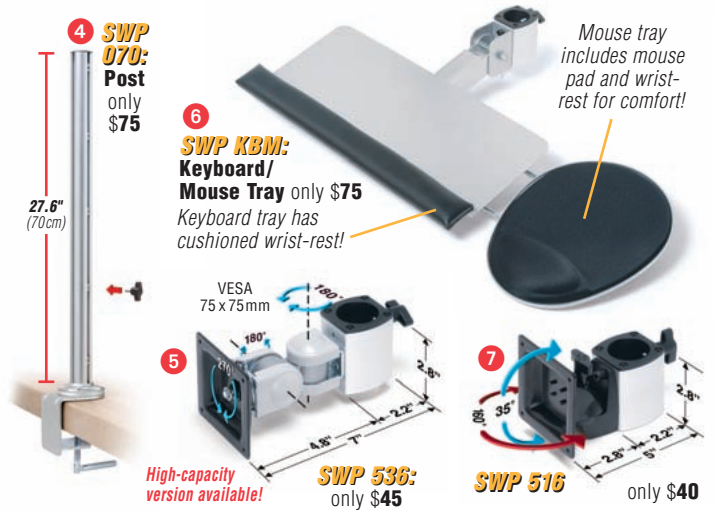
Mount multiple monitors directly to existing shop pipes or poles!



Modular SWP Series Desktop-Mount Post Arm System and Accessories

- **Modular system allows you to switch out brackets and accessories as your application needs change**
- **SWP 070 Desktop-Mount Post mounts to any desk/benchtop up to 2.4" thick**
- **Post measures 27.6" high** (70cm)
- **Post can handle a total load up to 22 lbs.**
- **Compatible with the following post-mount brackets** (details below)**:**
  SWP 516 Ball-Joint Pivot Bracket
  SWP 536 Triple-Pivot Bracket
  (high capacity version also available)
  SWP KBM Keyboard/Mouse Tray — mounts to post and provides a tray with integral padded wrist-rest for your keyboard plus a tray with mouse pad and wrist-rest for any mouse. Mouse pad tray can easily be reconfigured for left-handed use.

4 **SWP 070: Desktop-Mount Post**
5 **SWP 536: Triple-Pivot Bracket**
6 **SWP KBM: Keyboard/Mouse Tray**


4 SWP 070: Post only $75
27.6" (70cm)
6 SWP KBM: Keyboard/ Mouse Tray only $75
Keyboard tray has cushioned wrist-rest!
Mouse tray includes mouse pad and wrist-rest for comfort!
VESA 75x75mm
5
High-capacity version available!
SWP 536: only $45
7
SWP 516 only $40

Ordering Information: **Visit cyberresearch.com/arms for detailed info.**

Vertical-Mount Mechanical Pipe/Pole Brackets — for up to 17 lbs.

Includes adjustable pipe/pole-mounting clamp & plate, **double, triple, or quad-pivot mount**, and 75mm VESA mounting pad; "**N**" series units are for narrow pipes, "**W**" series are for wider pipes.

#**SWB 528N** Double-Pivot Pipe-Mt. Bracket Kit, **for 32~42mm pipes** 1 ...$40
#**SWB 538N** Triple-Pivot Pipe-Mt. Bracket Kit, **for 32~42mm pipes** 2 ....$50
#**SWB 548N** Quad-Pivot Pipe-Mt. Bracket Kit, **for 32~42mm pipes** 3 ....$60

#**SWB 528W** Double-Pivot Pipe-Mt. Bracket Kit, **for 42~52mm pipes** 1 ...$40
#**SWB 538W** Triple-Pivot Pipe-Mt. Bracket Kit, **for 42~52mm pipes** 2 ....$50
#**SWB 548W** Quad-Pivot Pipe-Mt. Bracket Kit, **for 42~52mm pipes** 3 ....$60

CyberResearch offers the widest selection of monitor mounting solutions in the industry! Visit cyberresearch.com/arms for more swivel arms!

Give us a call — we'll be happy to help you configure a swivel arm system!

SWP Desktop Post Arm — use with SWP mounts & accessories

Includes **aluminum alloy** post arm & desk-mounting clamp (mounts ***NOT*** included – see below)

#**SWP 070** Post Arm Module with clamp (capacity: up to 22 lbs.) 4 .....$75
Custom post lengths can be made for OEM and large quantity applications — please call for details.

SWP Series Mounts & Accessories — use with SWP 070 post arm

VESA mounting modules & keyboard/mouse tray for SWP 070 post (arm ***NOT*** included – see above)

#**SWP 516** **Ball-Joint Pivot** Mtg. Brkt. for SWP 070 post arm (max: 10 lbs.) 7 ...$40
#**SWP 536** **Triple-Pivot** Mtg. Bracket for SWP 070 post arm (max: 18 lbs.) 5 .....$45
#**SWP 536H** **High-Capacity** version of SWP 536 (max capacity: 26 lbs.) 5 .....$60
#**SWP KBM** **Keyboard/Mouse Tray Module** for SWP 070 post arm 6 .....$75

100mm Mounting Pad Adapter for Mounting Arms & Brackets

Most CyberResearch® swivel mounting arms include a VESA-standard 75mm (75x75mm) mounting pad. Use our **SWC 100** adapter to mount displays w/ VESA-standard 100mm (100x100mm) mounting holes.

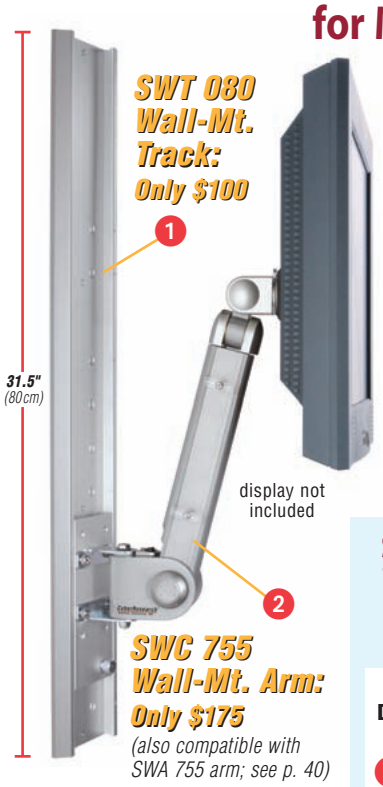
#**SWC 100** **VESA Adapter Plate**, mount VESA 100x100mm on 75x75mm arm..$18

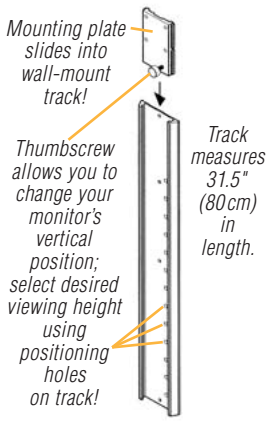
Quantity Discounts: 1-4: List	5-9: 5%	10-24: 10%	25+: Call

Discounts apply to quantity of any single item per shipment. Call for details.

www.cyberresearch.com Visit our website for detailed product information!
Toll-Free Assistance: 1-800-341-2525 (USA) Tel: 203-643-5000 Fax: 203-643-5001
Applications Engineers: Monday – Friday, 9:00 AM – 5:00 PM, U.S. Eastern Time • e-mail: info@cyberresearch.com

Modular SWT Series Adjustable Wall-Mount Track System for Monitor Swivel Arms & Keyboard/Mouse Tray


SWT 080 Wall-Mt. Track: Only $100
1
31.5" (80cm)
display not included
2
SWC 755 Wall-Mt. Arm: Only $175
(also compatible with SWA 755 arm; see p. 40)


Mounting plate slides into wall-mount track!
Thumbscrew allows you to change your monitor's vertical position; select desired viewing height using positioning holes on track!
Track measures 31.5" (80cm) in length.

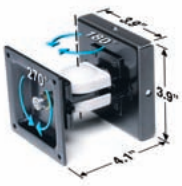
- ***SWT 080 Wall-Mount Track mounts to wall using four expansion bolts*** *(included)*
- ***Track allows for 13 possible vertical monitor/arm/bracket positions in ~2" height increments!***
- ***Track measures 31.5"*** *(80cm; custom lengths available for OEM & large quantity custom applications)*
- ***Track can handle a total load of up to 30lbs.***
- ***Modular system allows you to switch out brackets and accessories as your application needs change***
- ***SWT KBM Keyboard/Mouse Tray mounts to track and provides a tray with integral padded wrist-rest for your keyboard plus a tray with mouse pad and wrist-rest for any mouse. Mouse pad tray can easily be reconfigured for left-handed use.***

1 SWT 080: Wall-Mt. Track
4 SWB 535: Triple-Pivot Bracket
6 SWT KBM: Keyboard/Mouse Tray

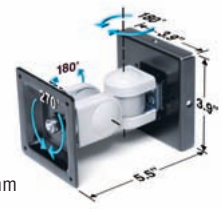
SWB 525/535/545 Series Wall-Mount Arm Brackets:

Fully compatible with SWT 080 or mount directly to wall!

SWB 525:
Double-pivot
only $**30**
3

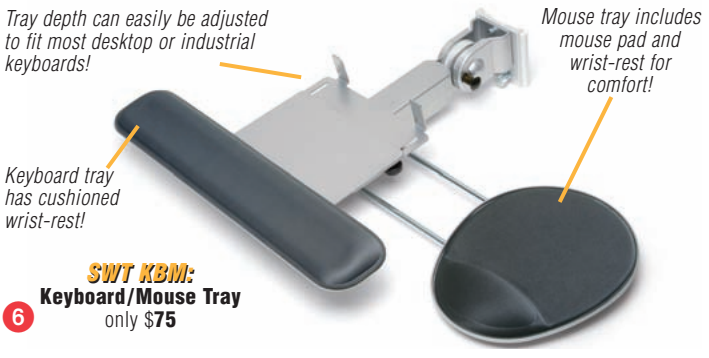


SWB 535:
Triple-pivot
only $**40**
4



SWB 545:
Quad-pivot
only $**50**
5

- ***SWT 080 Wall-Mount Track mounts to wall using four expansion bolts*** *(included)*
- ***Track allows for 13 possible vertical monitor/arm/bracket positions in ~2" height increments!***
- ***Track measures 31.5"*** *(80cm)*
- ***Track can handle a total load of up to 30lbs.***
- ***Compatible with the following wall-mount brackets*** *(details at right)**:***
  SWB 525 Double-Pivot Bracket,
  SWB 535 Triple-Pivot Bracket,
  SWB 545 Quad-Pivot Bracket
- ***Compatible with the following wall-mount arms*** *(see pg. 40 & web)**:***
  SWA 755/755H Swivel Arm,
  SWC 755 Aluminum Arm
- *Custom lengths available for OEM & large quantity custom applications*


Tray depth can easily be adjusted to fit most desktop or industrial keyboards!
Mouse tray includes mouse pad and wrist-rest for comfort!
Keyboard tray has cushioned wrist-rest!

SWT KBM:
Keyboard/Mouse Tray
only $**75**
6

Ordering Information:

Visit cyberresearch.com/arms for detailed info.

SWT Series Wall-Mount Track System — for up to 30lbs.
Includes **aluminum alloy** wall track and slide-in mounting base for optional arms & brackets

#SWT 080 Wall-Mount Track System with slide-in mounting base 1.....**$100**

Wall-Mount Swivel Gas Arms also compatible w/ SWT Wall-Mount Track
For more information and specifications on our SWA/SWC series swivel arms; please visit our website.

#SWA 755 Wall-Mount Arm (capacity: 7~20 lbs.; see pg. 40) **$195**
#SWA 755H **High-Capacity** version of SWA 755 (16~30lbs.; see pg. 40) **$245**
#SWC 755 All-Aluminum Wall-Mount Arm (capacity: 7~20 lbs.) 2.....**$175**

Vertical-Mount Mechanical Wall Brackets — for up to 17lbs.
Includes bolt-to-wall base, **double, triple, or quad-pivot mount**, and 75mm VESA mounting pad; fully compatible with SWT 080 series wall-mount track — can also be bolted directly to wall

#SWB 525 Double-Pivot Wall-Mt. Bracket Kit, **Direct-Bolt to Wall** 3..**$30**
#SWB 535 Triple-Pivot Wall-Mt. Bracket Kit, **Direct-Bolt to Wall** 4...**$40**
#SWB 545 Quad-Pivot Wall-Mt. Bracket Kit, **Direct-Bolt to Wall** 5...**$50**

Give us a call — we'll be happy to help you configure a swivel arm system!

SWT Series Mounts & Accessories
Includes keyboard/mouse tray mechanism, mouse pad, wrist-rest, and plastic mouse storage pouch

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#SWC 100 **VESA Adapter Plate**, mount VESA 100x100mm on 75x75mm arm..**$18**

CUSTOM MOUNTINGS!
Don't see what you want? We also design custom mountings to meet your special needs! Call our applications engineers to get started.

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Discounts apply to quantity of any single item per shipment. Call for details.			